NORTHWESTERN UNIVERSITY BULLETIN

ANNUAL CATALOGUE
1910-1911

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NORTHWESTERN UNIVERSITY BULLETIN

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March, 1911

ANNUAL CATALOGUE
1910-1911

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University Calendar

The detailed calendar of each school will be found below

1910			
June	20	Mon.	And the third Monday evening of each month thereafter Regular Meeting of the Executive Committee of the Board of Trustees
Oct.	11	Tue.	Regular Meeting of the Board of Trustees
1911			
Jan.	10	Tue.	Regular Meeting of the Board of Trustees
Jan.	28	Sat.	Founders' Day
Mar.	23	Thu.	Norman W. Harris Lectures, to March 28, Tuesday, inclusive
Apr.	11	Tue.	Regular Meeting of the Board of Trustees
June	13	Tue.	Annual Meeting of the Board of Trustees
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT
Oct.	10	Tue.	Regular Meeting of the Board of Trustees
1912			
Jan.	9	Tue.	Regular Meeting of the Board of Trustees
Jan.	28	Sun.	Founders' Day
Apr.	9	Tue.	Regular Meeting of the Board of Trustees
June	11	Tue.	Annual Meeting of the Board of Trustees
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

The College of Liberal Arts and the College of Engineering

1910-1911

1910			
Sept.	19	Mon.	Academic year 1910-1911 begins
Sept.	19	Mon.	Examinations for admission
Sept.	19	Mon.	First day of registration
Sept.	21	Wed.	Second examinations
Sept.	22	Thu.	Class work begins
Oct.	3	Mon.	Last day for registration of candidates for advanced degrees
Nov.	18	Fri.	Gage Prize Debate
Nov.	24	Thu.	Thanksgiving Recess, to November 27, Sunday, inclus ve
Dec.	7	Wed.	Last day for the filing of titles of theses for advanced degrees
Dec.	23	Fri.	Christmas Recess, to January 3, Tuesday, inclusive
1911			
Jan.	4	Wed.	Class work resumed
Jan.	20	Fri.	Central Debating League Contest
Jan.	21	Sat.	Last day for presentation of orations for the Kirk Prize

Feb.	1	Wed.	Mid-year examinations begin
Feb.	10	Fri.	Second semester begins
Feb.	11	Sat.	Second examinations
Feb.	13	Mon.	Class work resumed
Feb.	17	Fri.	Sargent Prize Contest
Feb.	22	Wed.	Washington's Birthday
Mar.	3	Fri.	Local Freshman Debate
Mar.	10	Fri.	Kirk Prize Contest
Mar.	17	Fri.	Bragdon Prize Contest
Mar.	30	Thu.	Deering Prize Contest
April	7	Fri.	Raymond Prize Contest
Apr.	14	Fri.	Cleosophic Prize Contest
Apr.	14	Fri.	Easter Recess, to April 17, Monday, inclusive
Apr.	17	Mon.	Second examinations
Apr.	21	Fri.	Intercollegiate Freshman Debate
May	1	Mon.	Last day for presentation of theses for the Harris Prize and for the Orrington Lunt Prize
May	5	Fri.	Northern Oratorical League Contest
May	13	Sat.	Last day for presentation of theses for advanced degrees
May	27	Sat.	Oral examinations of candidates for advanced degrees
May	31	Wed.	Regular examinations begin
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1911-1912

1911			
Sept.	25	Mon.	Academic year 1911-1912 begins
Sept.	25	Mon.	Examinations for admission
Sept.	25	Mon.	First day of registration
Sept.	27	Wed.	Second examinations
Sept.	28	Thu.	Class work begins
Oct.	10	Tue.	Last day for registration of candidates for advanced degrees
Nov.	17	Fri.	Gage Prize Debate
Nov.	30	Thu.	Thanksgiving Recess, to December 3, Sunday, inclusive
Dec.	6	Wed.	Last day for filing of titles of theses for advanced degrees
Dec.	22	Fri.	Christmas recess, to January 2, Tuesday, inclusive
1912			
Jan.	3	Wed.	Class work begins
Jan.	19	Fri.	Central Debating League Contest
Jan.	20	Sat.	Last day for presentation of orations for the Kirk Prize
Jan.	27	Sat.	Qualifying examinations.
Jan.	31	Wed.	Mid-year examinations begin
Feb.	9	Fri.	Second semseter begins
Feb.	10	Sat.	Second examinations

Feb.	12	Mon.	Class work resumed
Feb.	16	Fri.	Sargent Prize Contest
Feb.	22	Thu.	Washington's Birthday
Mar.	1	Fri.	Local Freshmen Debate
Mar.	8	Fri.	Kirk Prize Contest
Mar.	15	Fri.	Bragdon Prize Contest
Mar.	28	Thu.	Deering Prize Contest
Apr.	5	Fri.	Raymond Prize Contest
Apr.	5	Fri.	Easter Recess, to April 8, Monday, inclusive
Apr.	8	Mon.	Second examinations
Apr.	12	Fri.	Cleosophic Prize Contest
Apr.	19	Fri.	Intercollegiate Freshman Debate
May	1	Wed.	Last day for the presentation of theses for the Harris Prize and for the Orrington Lunt Prize
May	3	Fri.	Northern Oratorical League Contest
May	11	Sat.	Last day for the presentation of theses for advanced degrees
May	25	Sat.	Oral examinations of candidates for advanced degrees
May	29	Wed.	Regular examinations begin
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

The Medical School

1910-1911

1910

Oct.	3	Mon.	Examinations for admission; registration begins
Oct.	3	Mon.	Last day for registration for advanced degrees, College of Liberal Arts
Oct.	4	Tue.	First semester begins
Oct.	7	Fri.	Examinations for conditioned students
Nov.	24	Thu.	Thanksgiving recess, to November 27, Sunday, inclusive
Dec.	7	Wed.	Last day for filing titles of theses for advanced degrees; College of Liberal Arts
Dec.	23	Fri.	Christmas Recess, to January 2, Monday, inclusive

1911

Jan.	30	Mon.	Mid-year examinations begin
Feb.	6	Mon.	Second semester begins
Feb.	22	Wed.	Washington's Birthday
Apr.	14	Fri.	Easter Recess, to April 17, Monday, inclusive
May	1	Mon.	Last day for presentation of theses for advanced degrees, College of Liberal Arts
May	22	Mon.	Examinations begin

May	30	Tue.	Memorial Day
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1911-1912

Sept.	29	Fri.	Examinations for admission; registration begins; examinations for conditioned students
Oct.	3	Tue.	First semester begins; last day for registration for advanced degrees, College of Liberal Arts
Nov.	30	Thu.	Thanksgiving Recess, to December 3, Sunday, inclusive
Dec.	6	Wed.	Last day for filing titles of theses for advanced degrees, College of Liberal Arts
Dec.	22	Fri.	Christmas Recess, to January 2, Tuesday, inclusive
1912			
Feb.	1	Thu.	Mid-year examinations begin
Feb.	8	Thu.	Second semester begins
Feb.	22	Thu.	Washington's Birthday
Apr.	5	Fri.	Easter Recess, to April 8, Monday, inclusive
May	30	Thu.	Memorial Day
June	3	Mon.	Examinations begin
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

The Law School

1910-1911

1910			
Sept.	26	Mon.	Registration of new students
Sept.	27	Tue.	Registration of applicants for advanced standing
Sept.	28	Wed.	Registration of other students
Sept.	29	Thu.	Lectures begin
Nov.	24	Thu.	Thanksgiving Recess, to Sunday, November 27, inclusive
Dec.	23	Fri.	Christmas Recess, to Tuesday, January 3, inclusive
1911			
Jan.	4	Wed.	Lectures begin
Jan.	20	Fri.	Central Debating League Contest
Jan.	21	Sat.	Last day for presentation of orations for the Kirk Prize; Intercollegiate Debate
Jan.	26	Thu.	Lectures close
Jan.	30	Mon.	Mid-year examinations begin
Feb.	6	Mon.	Second semester begins
Feb.	12	Sun.	Lincoln's Birthday
Feb.	22	Wed.	Washington's Birthday
Mar.	10	Fri.	Kirk Prize Contest
Apr.	21	Fri.	Towle Prize Debate

May	25	Thu.	Lectures close
May	26	Fri.	Examinations begin
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1911-1912

1911			
Sept.	25	Mon.	Registration of new students
Sept.	26	Tue.	Registration for applicants for advanced standing
Sept.	27	Wed.	Registration of other students
Sept.	28	Thu.	Lectures begin
Nov.	30	Thu.	Thanksgiving Recess, to December 30, Sunday, inclusive
Dec.	22	Fri.	Christmas Recess, to January 2, Tuesday, inclusive
1912			
Jan.	25	Thu.	Lectures close
Jan.	29	Mon.	Mid-year examinations begin
Feb.	5	Mon.	Second semester begins
Feb.	12	Mon.	Lincoln's Birthday
Feb.	22	Thu.	Washington's Birthday
Apr.	20	Fri.	Towle Prize Debate
May	24	Thu.	Lectures close
May	25	Fri.	Examinations begin
May	30	Thu.	Memorial Day
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

The School of Pharmacy

1910-1911

1910			
Sept.	26	Mon.	First day of registration
Sept.	28	Wed.	Lectures and class work begin
Nov.	24	Thu.	Thanksgiving Recess, to Sunday, November 27, inclusive
Dec.	19	Mon.	Christmas Recess, to Monday, January 2, inclusive
1911			
Feb.	22	Wed.	Washington's Birthday
Apr.	4	Tue.	Examinations begin, Graduate in Pharmacy course
Apr.	4	Tue.	Recess to Sunday, April 9, inclusive, Pharmaceutical Chemist course
Apr.	12	Wed.	Graduating exercises, Graduate in Pharmacy course and the three-year Pharmaceutical Chemist course
May	30	Tue.	Memorial Day
May	31	Wed.	Senior Examinations begin, Pharmaceutical Chemist Course
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1911-1912

Sept.	25	Mon.	First day of registration
Sept.	27	Wed.	Lectures and class work begin
Nov.	30	Thu.	Thanksgiving Recess, to December 3, Sunday, inclusive
Dec.	21	Thu.	Christmas Recess, to January 2, Tuesday, inclusive
1912			
Feb.	22	Thu.	Washington's Birthday
Apr.	1	Mon.	Examinations begin, Graduate in Pharmacy Course
Apr.	1	Mon.	Recess, to Sunday, April 7, inclusive, Pharmaceutical Chemist Course
Apr.	10	Wed.	Graduating exercises, Graduate in Pharmacy Course and three year Pharmaceutical Chemist Course
May	30	Thu.	Memorial Day
June	6	Thu.	Senior examinations begin, Pharmaceutical Chemist Course
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

The Dental School

1910-1911

1910			
Oct.	4	Tue.	Academic year begins
Oct.	4	Tue.	Examination of credentials for admission, to October 14, Friday
Oct.	7	Fri.	Examinations for advanced standing, to October 14, Friday
Nov.	24	Thu.	Thanksgiving
Dec.	24	Sat.	Christmas Recess, to Jan. 2, Monday, inclusive
1911			
Jan.	26	Thu.	Mid-year examinations begin
Feb.	3	Fri.	Second semester begins
Feb.	22	Wed.	Washington's Birthday
May	25	Thu.	Senior examinations begin
May	30	Tue.	Memorial Day
June	1	Thu.	Freshman and Junior examinations begin
June	13	Tue.	Home Coming Alumni Clinic
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT
June	15	Mon.	Practitioner's Summer Course begins
July	13	Sat.	Practitioner's Course ends

1911-1912

Oct.	3	Tue.	Academic year begins
Nov.	30	Thu.	Thanksgiving Recess, to December 3, Sunday, inclusive

Dec.	22	Fri.	Christmas Recess, to January 2, Tuesday, inclusive
1912			
Feb.	1	Thu.	Mid-year examinations begin
Feb.	9	Fri.	Second semester begins
Feb.	12	Mon.	Lincoln's Birthday
Feb.	22	Thu.	Washington's Birthday
May	20	Mon.	Senior examinations begin
May	27	Mon.	Freshman and Junior examinations begin
May	30	Thu.	Memorial Day
June	11	Tue.	Home Coming Alumni Clinic
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT
June	13	Thu.	Practitioner's Summer Course begins
July	10	Wed.	Practitioner's Course ends

The School of Music

1910 — 1910-1911

Sept.	20	Tue. and Sept. 21, Wed.	Examinations for admission
Sept.	22	Thu.	First Quarter begins
Nov.	23	Wed.	First Quarter ends
Nov.	23	Thu.	Thanksgiving Recess, to November 27, Sunday, inclusive
Nov.	28	Mon.	Second Quarter begins
Dec.	22	Thu.	Christmas Recess, to January 1, Sunday, inclusive
1911			
Feb.	1	Wed.	Mid-year examinations begin
Feb.	8	Wed.	Second Quarter ends
Feb.	9	Thu.	Third Quarter begins
April	12	Wed.	Third Quarter ends
April	13	Thu.	Fourth Quarter begins
May	25	Thu.	Musical Festival, to May 27, Saturday, inclusive
June	2	Fri.	Final examinations begin
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1911 — 1911-1912

Sept.	19	Tue. and Sept. 20, Wed.	Examinations for admission
Sept.	21	Thu.	First Quarter begins
Nov.	22	Wed.	First Quarter ends
Nov.	23	Thu.	Second Quarter begins
Nov.	30	Thu.	Thanksgiving Recess, to December 3, Sunday, inclusive
Dec.	24	Sun.	Christmas Recess, to January 3, Wednesday, inclusive
1912			
Feb.	7	Wed.	Second Quarter ends
Feb.	8	Thu.	Third Quarter begins
Apr.	10	Wed.	Third Quarter ends

Apr.	11	Thu.	Fourth Quarter begins
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

The School of Commerce

1910-1911

1910			
Sept.	29	Thu.	Opening day and Convocation
Sept.	30	Fri.	Registration day
Oct.	3	Mon.	Class work begins
Nov.	24	Thu.	Thanksgiving
Dec.	23	Fri.	Christmas Recess, to January 1, Sunday, inclusive
1911			
Jan.	2	Mon.	Class work resumed
Jan.	30	Mon.	Mid-year examinations begin
Feb.	6	Mon.	Second semester begins
Feb.	22	Wed.	Washington's Birthday
May	26	Fri.	Instruction closes
June	14	Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1911-1912

Sept.	28	Thu	Opening day
Sept.	29	Fri.	Registration day
Oct.	2	Mon.	Class work begins
Nov.	29 and 30	Wed. and Thu.	Thanksgiving intermission
Dec.	22	Fri.	Christmas Recess, to January 1, Monday, inclusive
1912			
Jan.	2	Tue.	Class work resumed
Jan.	29	Mon.	Mid-year examinations begin
Feb.	5	Mon.	Second semseter begins
Feb.	22	Thu.	Washington's Birthday
May	29	Wed.	Instruction closes
June	12	Wed.	FIFTY-FOURTH ANNUAL COMMENCEMENT

1910

JULY

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AUGUST

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SEPTEMBER

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NOVEMBER

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1911

JANUARY

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FEBRUARY

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MARCH

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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DECEMBER

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1912

JANUARY

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FEBRUARY

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MARCH

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APRIL

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JUNE

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The University

ON the last day of May, in the year 1850, there met in the City of Chicago, at the office of Grant Goodrich, 109 Lake Street, near Dearborn, nine men, Richard A. Blanchard, Jabez K. Botsford, Andrew J. Brown, Henry W. Clark, John Evans, Grant Goodrich, Zadoc Hall, Richard Haney, and Orrington Lunt, to consider the founding of a university in the vicinity of Chicago. They agreed that "the interests of Christian learning demand the immediate establishment of a University in the North-West," and appointed a committee to petition the General Assembly for a charter. On January 28, in the next year, 1851, Governor French signed the Act that incorporated Northwestern University under the title of "the Trustees of the Northwestern University." The name of the corporation has since been changed to Northwestern University.

The first Board of Trustees consisted of thirty-six persons, representatives of annual conferences of the Methodist Episcopal Church and citizens of Chicago and vicinity. The corporation as at present constituted consists of thirty-six trustees elected by the Board itself, and two elected by each of four annual conferences of the Methodist Episcopal Church, making a total of forty-four trustees.

The charter provides that a majority of the Board must be members of the Methodist Episcopal Church, but that no particular religious faith shall be required of those who become students at the institution.

Amendments have provided that other chartered institutions may become departments of the University; that all property of whatever kind or description belonging to or owned by the said corporation shall be forever free from taxation for any and all purposes; that no spirituous, vinous, or fermented liquors shall be sold under license or otherwise, within four miles of the location of the University.

After considering several locations in the vicinity of Chicago, the Trustees selected for the University a tract of land on the shore of Lake Michigan, twelve miles north of the heart of Chicago, and covered by an unbroken forest. Here in 1855 the first University building was erected, and about this location has grown up the City of Evanston, a beautiful residential city of twenty-five thousand inhabitants. The professional schools of Medicine, Law, Pharmacy, Dentistry, and Commerce are situated in the City of Chicago.

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Business Manager, Assistant Secretary

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James Bartlett Hobbs
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M. Cochrane Armour
William Andrew Dyche, A.M.
Perley Lowe
Irwin Rew, Ph.B.

Term Expires in 1912

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Charles Pinckney Wheeler, A.M.
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John Pollard McWilliams
Josiah J. Parkhurst
Cornelia Grey Lunt
Edward Foster Swift
Marshall Fuller Holmes
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*Deceased November 15, 1910.

Term Expires in 1913

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Nathan Smith Davis, A.M., M.D.
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Term Expires in 1914

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William Liston Brown
Frank Philip Crandon
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*Humphrys Henry Clay Miller
Josiah J. Parkhurst
James A. Patten
Irwin Rew
Charles Pinckney Wheeler
Milton Hollyday Wilson

*Deceased November 15, 1910.

Schools of the University

The College of Liberal Arts
Evanston

The Medical School
Chicago

The Law School
Chicago

The College of Engineering
Evanston

The School of Pharmacy
Chicago

The Dental School
Chicago

The School of Music
Evanston

The School of Commerce
Chicago

The School of Oratory
Evanston

Evanston Academy
Evanston

Grand Prairie Seminary
Onarga

The Elgin Academy
Elgin

SCHOOLS IN CO-OPERATION

Garrett Biblical Institute
Evanston

Norwegian-Danish Theological School
Evanston

Swedish Theological Seminary
Evanston

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Arthur Herbert Wilde, Ph.D., *Secretary of the Council*

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Charles Beach Atwell, Ph.M.
Ulysses Sherman Grant, Ph.D.

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Clinical Professor of Gynecology . . . . . Medicine

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Lura Mary Bailey . . . . . 2026 Orrington Avenue, Evanston
Assistant Instructor in Piano . . . . . Music

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Professor of Romance Languages . . . . . Liberal Arts, Engineering

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Curtis Abell Barry . . . . . 1705 Boomer Place, Evanston
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Bertha Althea Beeman . . . . . 1738 Chicago Avenue, Evanston
Instructor in Voice Culture . . . . . Music

Frank Adolf Bernstorff, A.B..... 1116 Ayars Place, Evanston
Instructor in German.....Liberal Arts

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Assistant Professor in Surgery.....Medicine

Anthony Biankini, M.D.....3207 Indiana Avenue, Chicago
Clinical Assistant in Surgery.....Medicine

James William Birkland, D.D.S.....6 East Madison Street, Chicago
Clinical Instructor in Operative Dentistry.....Dentistry

Arthur Davenport Black, B.S., M.D., D.D.S..... 31 Washington Street
Assistant Professor of Operative Dentistry, and Assistant in Oral Surgery.....Dentistry

Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D.....
4549 Oakenwald Avenue, Chicago
Professor of Operative Dentistry, Pathology, and Bacteriology; Dean.....Dentistry

Robert Alfred Black, M.D..... 2901 Wallace Street, Chicago
Clinical Assistant in Surgery.....Medicine

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Demonstrator in Operative Obstetrics.....Medicine

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Clinical Assistant in Laryngology and Rhinology.....Medicine

Sara Frances Bragdon, A.B .....1709 Chicago Avenue, Evanston
Assistant in French.....Liberal Arts

Hedwig Brenneman.....1101 Davis Street, Evanston
Assistant Instructor in Voice Culture.....Music

William Elmer Brenneman, M.D.....750 East 43rd Street, Chicago
Clinical Assistant in Neurology.....Medicine

Joseph Brennemann, Ph.B., M.D.....4632 Lake Avenue, Chicago
Assistant Clinical Professor of Pediatrics.....Medicine

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Instructor in Anatomy..... Dentistry

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Assistant in Chemistry .....Liberal Arts

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Dentistry

Walter Herman Buhlig, B.S., M.D.....5533 Union Avenue, Chicago
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William Henry Burger, B.S .....726 Emerson Street, Evanston
Assistant Professor of Civil Engineering .....Engineering

Edgar White Burrill, A.M .....2111 Central Street, Evanston
Instructor in English Language.....Liberal Arts

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Clinical Assistant in Medicine.....Medicine

Margaret Cameron.....902 Dakin Street, Chicago
Instructor in Piano.... .....Music

Donald Francis Campbell, Ph.D ..950 First Nat'l Bank Building, Chicago
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Instructor in Clinical Pediatrics.....Medicine

James Casey, M.D .....2431 Dearborn Street, Chicago
Superintendent of Dispensaries.....Medicine

William Evans Casselberry, M.D.....34 Washington Street, Chicago
Professor Emeritus of Laryngology and Rhinology.....Medicine

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Assistant in Anatomy.....Medicine

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Associate in Pediatrics..... Medicine

Paul Chester, B.S., M.D.....4707 Lake Avenue, Chicago
Assistant Professor of Medicine.....Medicine

Archibald Church, M.D.....804 Pullman Building, Chicago
Professor of Nervous and Mental Diseases and Medical Jurisprudence..... Medicine

James Forrest Churchill, M. D.....103 State Street, Chicago
Instructor in Surgery.....Medicine

J. Scott Clark, A.M., Litt.D.....2114 Sheridan Road, Evanston
Professor of English Language.....Liberal Arts, Engineering

James Lewis Clay, Ph.C.....434 St. James Place, Chicago
Assistant in the Chemistry Laboratories.....Pharmacy

Fred Homer Clutton, A.M.....2431 Dearborn Street, Chicago
Registrar.....Medicine

Isaac Merton Cochran, A.M.....2044 Sherman Avenue, Evanston
Coach in Debate.....Liberal Arts

George Albert Coe, Ph.D, LL.D.....New York City
Honorary Professor of the Philosophy and Psychology of Religion
Liberal Arts

William Hawes Coghill, E.M.....1023 Ayars Place, Evanston
Instructor in Mining and Metallurgy.....Liberal Arts

James Joseph Cole, M.D.....5 East Garfield Boulevard, Chicago
Assistant in Preliminary Medicine.....Medicine

Clyde Barnes Cooper, A.M.....6149 Ellis Avenue, Chicago
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Professor of Law.....Law

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Demonstrator in Anatomy.....Dentistry

Henry Crew, Ph.D.....1113 Davis Street, Evanston
Fayerweather Professor of Physics.....Liberal Arts, Engineering

Frederic Beers Crossley, LL.B.....87 Lake Street, Chicago
Secretary, Librarian.....Law

William Robert Cubbins, B.S., M.D.....42 Madison Street, Chicago
Assistant Professor of Surgery.....Medicine

Henry Thomas Cummings, M.D.....3017 Indiana Avenue, Chicago
Clinical Assistant in Surgery.....Medicine

Robert McLean Cumnock, A.M., L.H.D.....Greenwood Inn, Evanston
Instructor in Vocal Expression and Dramatic Action, and Shakesperian and Bible Reading; Director.....Oratory
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Professor of Elocution and Oratory.....Garrett

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Norman Dixon Curry, B.S., M.D.....103 State Street, Chicago
Clinical Assistant in Genito-Urinary Surgery.....Medicine

Arthur Hale Curtis, M.D.....103 State Street, Chicago
Clinical Assistant in Gynecology.....Medicine

David Raymond Curtiss, Ph. D.....720 Milburn Street, Evanston
Professor of Mathematics.....Liberal Arts, Engineering

George Chester Curtiss, A.B.....2132 Seminary Avenue, Chicago
Instructor in English Language.....Liberal Arts

Bertram Charles Cushway, M.D.....34 Washington Street, Chicago
Assistant in Preliminary Surgery.....Medicine

William Cuthbertson, M.D.....1029 East 46th Street, Chicago
Associate in Gynecology.....Medicine

William Clark Danforth, M.D.....University Building, Evanston
Instructor in Surgery.....Medicine

William Joseph Davidson, A.B., D.D.....1732 Chicago Avenue, Evanston
Professor of Sacred Rhetoric.....Garrett

Achilles Davis, Ph.B., M.D.....42 Madison Street, Chicago
Assistant Professor of Medicine.....Medicine

Nathan Smith Davis, A.M., M.D.....72 Madison Street, Chicago
Professor of Principles and Practice of Medicine and of Clinical Medicine.....Medicine

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Assistant Professor of Economics.....Liberal Arts

Louis Henry DeKrauze, D.D.S.....87 Lake Street, Chicago
Demonstrator in Prosthetic Dentistry.....Dentistry

Joseph Bolivar DeLee, A.M., M.D.....5028 Ellis Avenue, Chicago
Professor of Obstetrics.....Medicine

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Professor of Gynecology.....Medicine

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Lecturer on Transportation ..... Liberal Arts

George Boyd Dyche, A.B., M.D ..... 103 State Street, Chicago
Assistant Professor of Medicine ..... Medicine

William Andrew Dyche, A.M ..... 518 Davis Street, Evanston
Business Manager ..... University

Georg Edward ..... 6743 North Ashland Avenue, Chicago
Assistant Professor of German ..... Liberal Arts

Arthur Robin Edwards, A.M., M.D ..... 100 State Street, Chicago
Professor of Principles and Practice of Medicine and of Clinical Medicine; Dean ..... Medicine

Frederick Carl Eiselen, Ph.D., D.D ..... 2340 Orrington Avenue, Evanston
Professor of Semitic Languages and Old Testament Exegesis; Registrar ..... Garrett

Charles Byrd Elder, LL.B ..... 122 Monroe Street, Chicago
Instructor in the Law of Judgments and Extraordinary Legal Remedies ..... Law

Charles Addison Elliott, B.S., M.D ..... 2900 Indiana Avenue, Chicago
Assistant Professor of Medicine ..... Medicine

Arthur Jackson Ellis, A.B ..... 913 Grove Street, Evanston
Assistant in Mineralogy ..... Liberal Arts

Axel Louis Elmquist, A.M ..... 207 Main Street, Evanston
Instructor in Scandinavian Languages ..... Liberal Arts

Charles August Erickson, Ph.G., M.D ..... 2458 Wentworth Avenue, Chicago
Clinical Assistant in Surgery ..... Medicine

Arthur Barnett Eustace, B.S., M.D ..... 103 State St., Chicago
Clinical Assistant in Surgery ..... Medicine

William Augustus Evans, M.S., Ph.D., M.D ..... 103 State Street, Chicago
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Bernard Capen Ewer, Ph.D ..... 614 Clark Street, Evanston
Assistant Professor of Philosophy ..... Liberal Arts

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Demonstrator in Operative Dentistry ..... Dentistry

John Ferdinand Fischnar, Ph.C ..... 140 West 70th Street, Chicago
Instructor in the Dispensing Laboratory ..... Pharmacy

George Carl Fisher, M.D.....2136 Indiana Avenue, Chicago
Clinical Assistant in Genito-Urinary Surgery.....Medicine

Herbert Franklin Fisk, D.D., LL.D.....1625 Judson Avenue, Evanston
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Nellie Beulah Flodin.....2026 Orrington Avenue, Evanston
Instructor in Piano and Ensemble Playing.....Music

Mitchell Davis Follansbee, A.B., LL.B. 409 Home Insurance Bldg., Chicago
Professor of the Law of Procedure .....Law

Tobias Foss, A.M.....1830 Sherman Avenue, Evanston
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..... Norwegian-Danish

Edson Brady Fowler, A.B., M.D.....3359 Indiana Avenue, Chicago
Instructor in Clinical Medicine.....Medicine

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Instructor in Chemistry.....Medicine

Fred William Gethro, D.D.S.....31 Washington Street, Chicago
Assistant Professor of Operative Dentistry and Dental Anatomy
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Harold Kenneth Gibson, M.D.....5310 Cornell Avenue, Chicago
Demonstrator in Anatomy.....Medicine

Donald Monroe Gilbert, A.B.....621 Foster Street, Evanston
Instructor in French.....Liberal Arts

Margaret Grace Gilbert.....2001 Orrington Avenue, Evanston
Instructor in Didactic Reading and Personation.....Oratory

Lewis Oscar Gillesby.....1113 Foster Street, Evanston
Professor of Physical Culture.....Liberal Arts

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Assistant Clinical Professor of Gynecology.....Medicine

Thomas Lewis Gilmer, M.D.,D.D.S.....31 Washington Street, Chicago
Professor of Oral Surgery.....Dentistry

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Instructor in Bacteriology.....Medicine

Odile Marie Goddard.....1856 Sherman Avenue, Evanston
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Associate in Medicine.....Medicine

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Clinical Assistant in Surgery.....Medicine

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George Alfred Grant-Schaefer.....4738 Kenmore Avenue, Chicago
Instructor in Voice Culture.....Music

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Julius Grinker, M.D.....100 State Street, Chicago
Assistant Professor of Clinical Neurology.....Medicine

Foster Erwin Guyer, A.M.....2440 Orrington Avenue, Evanston
Instructor in French.....Liberal Arts

Charles John Haake.....4342 North Hermitage Avenue, Chicago
Instructor in Piano; Director, Preparatory Department.....Music

Gail Martin Haake.....4342 North Hermitage Avenue, Chicago
Instructor in Piano and Normal Methods.....Music

Karleton Hackett.....5482 East End Avenue, Chicago
Instructor in Voice Culture.....Music

Joseph William Hake, A.B.....816 Foster Street, Evanston
Assistant in Physics.....Liberal Arts

Henry Clay Hall, A.M., LL.B.....Manhattan Building, Chicago
Instructor in the Law of Insurance.....Law

John Oscar Hall, A.M.....1011 Ayars Place, Evanston
Professor of Theology and Oratory; Dean.....Norwegian-Danish

Winfield Scott Hall, A.M., Ph.D.,M.D.....2431 Dearborn Street, Chicago
Nathan Smith Davis Professor of Physiology; Junior Dean..Medicine

Albert Edward Halstead, M.D.....103 State Street, Chicago
Clinical Professor of Surgery.....Medicine

Irving Hamlin.....4454 North Hermitage Avenue, Chicago
Secretary.....Music

Milby Roy Hammer, B.S..... 807 Foster Street, Evanston
Assistant Professor of Drawing.....Engineering

Charles Edward Hammett.....2001 Orrington Avenue, Evanston
Director of Physical Training.....Liberal Arts

George Thomas Hargitt, Ph.D.....2034 Orrington Avenue, Evanston
Instructor in Zoölogy.....Liberal Arts

Eugene Howard Harper, Ph.D.....1105 Grant Street, Evanston
Assistant Professor of Zoölogy.....Liberal Arts

Winfield Scott Harpole, M.D.....103 State Street, Chicago
Assistant Professor of Clinical Medicine.....Medicine

Norman Dwight Harris, Ph.D.....1134 Forest Avenue, Evanston
Professor of European Diplomatic History.....Liberal Arts

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Professor of German Language and Literature, Liberal Arts, Engineering

Doremus Almy Hayes, Ph.D., S.T.D., LL.D., 620 Foster St., Evanston
Professor of New Testament Exegesis; Librarian.....Garrett

John Fillmore Hayford, C.E..... 574 Ingleside Park, Evanston
Professor of Civil Engineering; Director.....Engineering

D'Orsay, Hecht, M.D..... 103 State Street, Chicago
Assistant Professor of Nervous and Mental Diseases and Medical Jurisprudence.....Medicine

Julius Hays Hess, M.D.....5530 Indiana Avenue, Chicago
Instructor in Pediatrics.....Medicine

John Emanuel Hillberg.....Swedish Seminary, Evanston
Instructor.....Swedish

David Sweeney Hillis, M.D.....6456 Minerva Avenue, Chicago
Demonstrator in Operative Obstetrics.....Medicine

Murray Arnold Hines, Ph.D.....2320 Orrington Avenue, Evanston
Assistant Professor of Chemistry.....Liberal Arts, Engineering

George Walter Hochrein, M.D.....306 East 43rd Street, Chicago
Clinical Assistant in Surgery.....Medicine

Thomas Franklin Holgate, Ph.D., LL.D., ... 617 Library Street, Evanston
Henry S. Noyes Professor of Mathematics; Dean.....Liberal Arts

John Hamilcar Hollister, A.M., M.D.....103 State Street, Chicago
Professor Emeritus of Clinical Medicine.....Medicine

Albert Triplett Horn, M.D.....3044 Wentworth Avenue, Chicago
Assistant in Preliminary Surgery.....Medicine

Charles Stephen Horn.....94 Dearborn Street, Chicago
Instructor in Cornet.....Music

Walter Robert Host, D.D.S.....87 Lake Street, Chicago
Demonstrator in Prosthetic Dentistry.....Dentistry

Willard Eugene Hotchkiss, Ph.D..... 714 Milburn Street, Evanston
Professor of Economics.....Liberal Arts, Engineering
Professor of Economics and Social Science; Dean.....Commerce

Earl Dean Howard, Ph.D.....2137 Sherman Avenue, Evanston
Assistant Professor of Economics.....Liberal Arts
Assistant Professor of Banking and Finance.....Commerce

George Herbert Howard, M.D.....5239 Calumet Avenue, Chicago
Clinical Assistant in Medicine.....Medicine

Carl DaCosta Hoy, M.D.....3908 Cottage Grove Avenue, Chicago
Clinical Assistant in Surgery.....Medicine

*Gretchen Huegin.....Willard Hall, Evanston
Instructor in Physical Training.....Liberal Arts

*Resigned November 30, 1910.

Charles Cheney Hyde, A.M., LL.B.....135 Adams Street, Chicago
Associate Professor of Law.....Law

Lawrence Lee Iseman, M.D. .....100 State Street, Chicago
Clinical Assistant in Surgery.....Medicine

Franklin Keese Jackson.....416 Dempster Street, Evanston
Cashier ..... University

Harry Jackson, B.S., M.D.....4519 Vincennes Avenue, Chicago
Instructor in Pathology .....Medicine

Alfred Frederick Jacobson, M.D.....1154 West 69th Street, Chicago
Clinical Assistant in Dermatology.....Medicine

James Alton James, Ph.D.....2127 Orrington Avenue, Evanston
Professor of History.....Liberal Arts

Mark Jampolis, A.M., M.D.....100 State Street, Chicago
Instructor in Pediatrics.....Medicine

Gerhard H. Jensen, Ph.D.....6619 Ellis Avenue, Chicago
Professor of Botany and Pharmacognosy.....Pharmacy

Frank Seward Johnson, A.M., M.D.....2521 Prairie Avenue, Chicago
Professor Emeritus of Medicine and Clinical Medicine; Dean Emeritus

William A. Johnson, Ph.C..... 2431 Dearborn Street, Chicago
Instructor in Chemistry.....Medicine

George Thomas Jordan, B.S., M.D.....92 State Street, Chicago
Instructor in Ophthalmology.....Medicine

Harry Kahn, Pharm.M., M.D.....5339 Calumet Avenue, Chicago
Assistant Professor of Physiology and Materia Medica.....Pharmacy

Albert Martin Kales, A.B., LL.B.....135 Adams Street, Chicago
Associate Professor of Law.....Law

Allen Buckner Kanavel, Ph.B., M.D.....103 State Street, Chicago
Assistant Professor of Surgery.....Medicine

Jay Kaplan, Ph.C.....318 South Paulina Street, Chicago
Assistant in the Manufacturing Laboratory.....Pharmacy

Edwin Roulette Keedy, A.B., LL.B. .....87 Lake Street, Chicago
Professor of Law.....Law

John Nicholas Keller.....Hatfield House, Evanston
Assistant in the Gymnasium.....Liberal Arts

John Edward Kelley, M.D.....128 East 33rd Street, Chicago
Clinical Assistant in Surgery.....Medicine

William Dunton Kerr, A.B., LL.B.....189 La Salle Street, Chicago
Instructor in Transportation.....Commerce

Charles Joseph King.....2431 Blaine Place, Chicago
Instructor in Clarinet, Oboe, and Bassoon.....Music

Sidney Klein, M.S., M.D.....2528 Prairie Avenue, Chicago
Clinical Assistant in Medicine.....Medicine

Arthur Charles Kleutgen, M.D.....6639 Normal Avenue, Chicago
Instructor in Preliminary Medicine.....Medicine

Harold Everard Knapp.....2130 Lunt Avenue, Chicago
Professor of Violin and Ensemble Playing.....Music

Hila Verbeck Knapp, A.B.....2130 Lunt Avenue, Chicago
Instructor in Piano.....Music

Nina Shumway Knapp,.....828 Simpson Street, Evanston
Instructor in Piano.....Music

William Henry Knapp.....828 Simpson Street, Evanston
Instructor in Voice Culture.....Music

Charles Rudolph Edward Koch, D.D.S..... 87 Lake Street, Chicago
Lecturer on Dental Economics; Secretary.....Dentistry

Albert Kocourek, LL.B.....4 Lake Street, Chicago
Lecturer on Jurisprudence.....Law

Robert Agedius Krost, M.D.....5858 Prairie Avenue, Chicago
Associate in Pediatrics.....Medicine

Charles Joseph Kurtz, A.M., M.D.....4136 Prairie Avenue, Chicago
Instructor in Haematology.....Medicine

Charles Heinricks Langer..... 150 Michigan Avenue, Chicago
Lecturer in Accounting.....Commerce

James Lawrence Lardner, A.M.....720 Clark Street, Evanston
Instructor in Elocution.....Liberal Arts, Oratory, Garrett

Agness Law.....628 Foster Street, Evanston
Instructor in Dramatic Art and Expression.....Oratory

Jeremiah Emmett Leahy, M.D.....631 East 43rd Street, Chicago
Clinical Assistant in Surgery.....Medicine

Laura Lee.....1319 Hinman Avenue, Evanston
Instructor in Physical Training.....Oratory

Lydia Leichsenring.....525 Fir Street, Winnetka
Assistant in the Gymnasium.....Liberal Arts

Victor Darwin Lespinasse, M.D.....72 Madison Street, Chicago
Instructor in Genito-Urinary Surgery.....Medicine

Adolph H. Leviton, M.D. . . . . 1247 South Halsted Street, Chicago
Clinical Assistant in Surgery . . . . . Medicine

Thomas Henry Lewis, M.D . . . . . 100 State Street, Chicago
Associate in Gynecology . . . . . Medicine

Winford Lee Lewis, Ph.D. . . . . 718 Clark Street, Evanston
Instructor in Chemistry . . . . . Liberal Arts

Walter Libby, Ph.D. . . . . 1958 Sheridan Road, Evanston
Assistant Professor of Education . . . . . Liberal Arts

Walter Lichtenstein, Ph.D. . . . . 2440 Orrington Avenue, Evanston
University Librarian . . . . . Liberal Arts, Engineering

John Matthew Lilly, A.B., M.D. . . . . 1103 West 12th Street, Chicago
Clinical Assistant in Medicine . . . . . Medicine

Charles Clarence Linthicum, LL.B. . . . . Monadnock Building, Chicago
Lecturer on the Law of Patents . . . . . Law

Charles George Little, B.S., LL.B. . . . . 1418 Forest Avenue, Evanston
Associate Professor of Law . . . . . Law

Charles Joseph Little, Ph.D., D.D., LL.D., . . 2016 Sheridan Road, Evanston
Professor of Historical Theology; President, Garrett Biblical Institute

William Albert Locy, Ph.D., Sc.D. . . . . 1823 Hinman Avenue, Evanston
Professor of Zoölogy . . . . . Liberal Arts

John Harper Long, M.S., Sc.D. . . . . 722 Simpson Street, Evanston
Professor of Chemistry; Director of the Chemical Laboratories . . . .
. . . . . Medicine

Omera Floyd Long, Ph.D. . . . . 1704 Hinman Avenue, Evanston
Associate Professor of Latin . . . . . Liberal Arts

Horace Craig Longwell, Ph.D. . . . . 2211 Sherman Avenue, Evanston
Assistant Professor of Philosophy . . . . . Liberal Arts

Isabella Lovedale . . . . . Kenilworth
Instructor in Voice Culture and Interpretation . . . . . Oratory

Frank Anthony Lundberg, A.M., M.D . . . . . Swedish Seminary, Evanston
Instructor in English and Science . . . . . Swedish

Peter Christian Lutkin, Mus.D., A.G.O . . . . . 1330 Church Street, Evanston
Professor of Organ, Theory, Composition; Dean . . . . . Music
Professor of Music . . . . . Liberal Arts

Josephine Frances McGarry . . . . . 5452 Magnolia Avenue, Chicago
Instructor in Orthoepy and Forensics . . . . . Oratory

Walter Peter McGibbon, M.D . . . . . 42 Madison Street, Chicago
Instructor in Otology . . . . . Medicine

Hugh McGuigan, Ph.D., M.D. .....2431 Dearborn Street, Chicago
Professor of Pharmacology.....Medicine

Corey Hugh McKenna, M.D. .....100 State Street Chicago
Instructor in Surgery.....Medicine

George Buchanan Macfarlane, D.D.S.....70 State Street, Chicago
Clinical Instructor in Operative Dentistry.....Dentistry

Otis Hardy Maclay, B.S., M.D.....34 Washington Street, Chicago
Clinical Assistant in Laryngology and Rhinology.....Medicine

Milton Mandel, M.D.....3025 Prairie Avenue, Chicago
Instructor in Medicine.....Medicine

George Rogers Mansfield, Ph.D .....2242 Ridge Avenue, Evanston
Assistant Professor of Geology.....Liberal Arts

George Paull Marquis, M.D.....103 State Street, Chicago
Assistant Professor of Laryngology and Rhinology.....Medicine

Frederick Menge, M.D. .....34 Washington Street, Chicago
Professor of Laryngology and Rhinology.....Medicine

Robert Campbell Menzies, M.D.....103 State Street, Chicago
Instructor in Surgery.....Medicine

Huston French Methven, D.D.S.....87 Lake Street, Chicago
Instructor in Prosthetic Dentistry.....Dentistry

Alta Dorothy Miller, B.L.....1707 Hinman Avenue, Evanston
Instructor in Voice Culture.....Music

Maurice Ashbel Miner, Pharm.M. .....6446 Lexington Avenue, Chicago
Assistant Professor of Pharmacy; Curator.....Pharmacy

Charles Louis Mix, A.M., M.D.....103 State Street, Chicago
Professor of Physical Diagnosis; Secretary of the Faculty.....Medicine
Professor of Anatomy.....Dentistry

David Monash, M.D.....36th and Ellis Park, Chicago
Associate in Obstetrics.....Medicine

Albert Newton Moore, M.D.....72 Madison Street, Chicago
Clinical Assistant in Surgery.....Medicine

Robert Lee Moore, Ph.D.....815 Colfax Street, Evanston
Instructor in Mathematics.....Liberal Arts

James Caddall Morehead, Ph.D.....1939 Sherman Avenue, Evanston
Assistant Professor of Mathematics.....Liberal Arts

William Edward Morgan, M.D. .....3122 South Park Avenue, Chicago
Clinical Professor of Surgery.....Medicine

Albert Earl Mowry, M.D. . . . . 3505 Indiana Avenue, Chicago
Clinical Assistant in Genito-Urinary Surgery . . . . . Medicine

John Benjamin Murphy, A.M., M.D., LL.D. . 3305 Michigan Ave. Chicago
Professor of the Principles and Practice of Surgery and of Clinical Surgery . . . . . Medicine

Rollin Guizot Myers, M.S. . . . . 2248 Michigan Avenue, Chicago
Instructor in the Chemical Laboratories . . . . . Pharmacy

Bernard Nelson, M.D. . . . . 5117 Michigan Avenue, Chicago
Clinical Assistant in Surgery . . . . . Medicine

Marion Lela Norris, A.B. . . . . Chapin Hall, Evanston
Reader in English Language . . . . . Liberal Arts

Edmund Noyes, D.D.S. . . . . 96 State Street, Chicago
Professor of Dental Jurisprudence and Ethics . . . . . Dentistry

Frederick Bogue Noyes, A.B., D.D.S. . . . . 96 State Street, Chicago
Professor of Histology . . . . . Dentistry

George Daniel Oglesby, Ph.G. . . . . 200 East 31st Street, Chicago
Lecturer in Pharmacy . . . . . Pharmacy

Arne Oldberg . . . . . 1024 Maple Avenue, Evanston
Professor of Piano and Composition . . . . . Music

Oscar Oldberg, Pharm.D. . . . . 7808 Union Avenue, Chicago
Professor of Pharmacy; Dean . . . . . Pharmacy

Lewis Omer, A.B. . . . . 716 Clark Street, Evanston
Assistant in Physical Training . . . . . Liberal Arts

Luther James Osgood, M.D . . . . . 6450 Stewart Avenue, Chicago
Associate in Medicine . . . . . Medicine

John Edwin Owens, M.D. . . . . Lexington Hotel, Chicago
Professor of Surgery and Clinical Surgery . . . . . Medicine

Curtis Hidden Page, Ph.D. . . . . 625 Colfax Street, Evanston
Professor of English Literature . . . . . Liberal Arts

Lucius Crocker Pardee, M.D. . . . . 34 Washington Street, Chicago
Assistant Professor of Skin and Venereal Diseases . . . . . Medicine

Rupert Merrill Parker, B.S., M.D. . . . . 5536 Michigan Avenue, Chicago
Clinical Assistant in Surgery . . . . . Medicine

Hugh Talbot Patrick, M.D. . . . . 34 Washington Street, Chicago
Clinical Professor of Nervous and Mental Diseases . . . . . Medicine

Amos Williams Patten, A.M., D.D. . . . . 616 Foster Street, Evanston
Professor of Biblical Instruction . . . . . Liberal Arts

Charles Waggener Patterson, B.S., Ph.C..6451 Minerva Avenue, Chicago
Assistant Professor of Analytical Pharmaceutical Chemistry; Secretary.....Pharmacy

Otto Steve Pavlik, Ph.G., M.D.....3147 Carlisle Place, Chicago
Clinical Assistant in Gynecology.....Medicine

Anna Gerls Pease.....4704 Magnolia Avenue, Chicago
Instructor in English Literature and Rhetoric.....Oratory

Albert Pech, M.D.....3904 Indiana Avenue, Chicago
Clinical Assistant in Medicine.....Medicine

Charles Edward Persons, A.M.....729 Emerson Street, Evanston
Instructor in Economics.....Liberal Arts

Charles Ernest Pickard, A.B.....Monadnock Building, Chicago
Lecturer on the Law of Trademark and Copyright.....Law

Frank Ellis Pierce, M.D.....34 Washington Street, Chicago
Associate in Surgery.....Medicine

Herbert Henry Pillinger, M.D.....161 North Austin Avenue, Chicago
Demonstrator in Histology.....Dentistry

Samuel Craig Plummer, A.M., M.D.....34 Washington Street, Chicago
Clinical Professor of Surgery.....Medicine

William Vipond Pooley, Ph.D.....828 Simpson Street, Evanston
Instructor in History.....Liberal Arts

Mary Ross Potter, A.M.....Willard Hall, Evanston
Dean of Women.....Liberal Arts

Herbert Anthony Potts, D.D.S., M.D.....103 State Street, Chicago
Lecturer on Anaesthesia and Assistant in Oral Surgery.....Dentistry

George Corwin Poundstone, D.D.S.....2605 Milwaukee Avenue, Chicago
Assistant Professor of Special Pathology, Materia Medica, and Therapeutics.....Dentistry

Robert Bruce Preble, A.M., M.D.....103 State Street, Chicago
Professor of Medicine.....Medicine

Charles William Prentiss, A.M., Ph.D.....2431 Dearborn Street
Assistant Professor of Anatomy.....Medicine

Louis Jacob Pritzker, M.D.....2548 North Kedzie Avenue, Chicago
Clinical Assistant in Gynecology.....Medicine

James Harrison Prothero, D.D.S.....87 Lake Street, Chicago
Professor of Prosthetic Technics, Prosthetic Dentistry, and Metallography.....Dentistry

Brown Pusey, M.D. . . . . 72 Madison Street, Chicago
Professor of Ophthalmology . . . . . Medicine

William Edward Quine, M.D, LL.D. . . . . 3160 Indiana Avenue, Chicago
Professor Emeritus of Physiology, Therapeutics, and Toxicology . . Pharmacy

Effie Isabel Raitt, ... Willard Hall, Evanston
House Director . . . . . Willard Hall

Arthur Bennett Rankin, M.D. . . . . 100 State Street, Chicago
Clinical Assistant in Orthopedic Surgery . . . . . Medicine

Stephen Walter Ranson, Ph.D., M.D. . . . . 2431 Dearborn Street, Chicago
Assistant Professor of Anatomy . . . . . Medicine

John Jacob Rapp, A.B., B.D. . . . . 1114 Grant Street, Evanston
Instructor in Greek and Hebrew . . . . . Garrett

Isaac Donaldson Rawlings, M.S., M.D...215 East Madison Street, Chicago
Associate in Medicine . . . . . Medicine

Charles Bert Reed, M.D. . . . . 103 State Street, Chicago
Assistant Professor of Obstetrics . . . . . Medicine

Harry Mortimer Richter, M.D. . . . . 103 State Street, Chicago
Assistant Professor of Surgery . . . . . Medicine

Ernest Charles Riebel, M.D. . . . . 611 West 43rd Street, Chicago
Instructor in Surgery . . . . . Medicine

Jesse William Ritter, D.D.S. . . . . 87 Lake Street, Chicago
Superintendent of the Clinic, Lecturer in Operative Dentistry, Dentistry

Joseph Thomas Robert . . . . . 6414 Woodlawn Avenue, Chicago
Lecturer on Parliamentary Law . . . . . Law

Thomas Henry Robinson . . . . . 604 Dempster Street, Evanston
Assistant in Physical Training . . . . . Liberal Arts

Walter Edward Roloff, A.M. . . . . 1122 Ayars Place, Evanston
Instructor in German . . . . . Liberal Arts

James George Ross, M.D. . . . . 6001 Prairie Avenue, Chicago
Clinical Assistant in Genito-Urinary Surgery . . . . . Medicine

Alphonso deSalvio, Ph.D. . . . . 2019 Orrington Avenue, Evanston
Assistant Professor of Romance Languages . . . . . Liberal Arts

Louis Ernst Schmidt, M.S., M.D. . . . . 800 Schiller Building, Chicago
Clinical Professor of Genito-Urinary Surgery . . . . . Medicine

Henry Schofield, A.M., LL.B. . . . . 87 Lake Street, Chicago
Professor of Law . . . . . Law

Victor Lutu Schrager, M.D.....1620 West 12th Street, Chicago
Clinical Assistant in Surgery.....Medicine

William Edward Schroeder, M.D.....103 State Street, Chicago
Professor of Surgery and of Clinical Surgery.....Medicine

Garland Dix Scott, M.D.....2431 Dearborn Street, Chicago
Assistant in Anatomy.....Medicine

John Adams Scott, Ph.D.....1958 Sheridan Road, Evanston
Professor of Greek Language and Literature.....Liberal Arts

Walter Dill Scott, Ph.D.....721 Colfax Street, Evanston
Professor of Psychology.....Liberal Arts
Professor of Advertising.....Commerce

Ira Benson Sellery, D.D.S.....34 Washington Street, Chicago
Professor of Orthodontia.....Dentistry

George Curtice Shockey, M.D.....Melrose Park
Instructor in Clinical Neurology.....Medicine

Thomas Eaton Shuford, B.S., D.D.S.....1134 East 47th Street, Chicago
Demonstrator in Dental Anatomy and Operative Technics..Dentistry

Mabel Harriet Siller, B.L.....716 Clark Street, Evanston
Assistant Registrar.....Engineering

Nels Edward Simonsen, A.M., D.D.....2243 Orrington Avenue
Professor of History and of the Norwegian Language; President
.....Norwegian-Danish

Frank Edward Simpson, M.D.....42 Madison Street, Chicago
Instructor in Dermatology and Syphilology.....Medicine

Walfried Singer.....6227 Magnolia Avenue, Chicago
Instructor in Harp.....Music

Stella Skinner.....718 Clark Street, Evanston
University Guild Lecturer on the Principles of Art.....Liberal Arts

Walter K. Smart, A.M.....1122 East 54th Place, Chicago
Lecturer in Business English.....Commerce

Eli Victor Smith, A.M.....902 Chicago Avenue, Evanston
Assistant in Zoölogy.....Liberal Arts

Mae Isabel Smith.....1823 Orrington Avenue, Evanston
Assistant Instructor in Piano.....Music

Franklyn Bliss Snyder, Ph.D.....Park Apartments, Evanston
Instructor in English Literature.....Liberal Arts

Kellogg Speed, B.S., M.D.....100 State Street, Chicago
Clinical Assistant in Surgery.....Medicine

Lyle Sargent Spencer, D.D.S.....87 Lake Street, Chicago
Demonstrator in Operative Dentistry.....Dentistry

Gleason Fillmore Starkweather.....722 Emerson Street, Evanston
Superintendent of Buildings and Grounds.....Liberal Arts

Burt Smith Stevens, M.D.....103 State Street, Chicago
Instructor in Surgery.....Medicine

David Harrison Stevens, A.M.....620 Clark Street, Evanston
Instructor in English Language; Registrar.....Liberal Arts
Registrar.....Engineering

Edward Samuel Stewart, M.D.....3348 Dearborn Street, Chicago
Clinical Assistant in Laryngology and Rhinology.....Medicine

Herbert Marion Stowe, M.D.....4433 Lake Avenue, Chicago
Associate in Obstetrics.....Medicine

Clayton Frank Bloomfield Stowell, D.D.S.....87 Lake Street, Chicago
Assistant Professor of Comparative Anatomy, Demonstrator in Extracting.....Dentistry

Charles Macaulay Stuart, A.M., D.D., LL.D.621 Foster Street, Evanston
Lecturer on Hymnology.....Music

Walter Allen Stults.....724 Emerson Street, Evanston
Instructor in Voice Culture.....Music
Instructor in Hymnology and Church Music.....Garrett

Brown Fred Swift, B.S., M.D.....100 State Street, Chicago
Clinical Assistant in Genito-Urinary Surgery.....Medicine

Henry Robert Taecker, D.D.S.....87 Lake Street, Chicago
Demonstrator in Operative Dentistry.....Dentistry

Robert Richardson Tatnall, Ph.D.....624 Lincoln Street, Evanston
Associate Professor of Physics.....Liberal Arts, Engineering

Arthur Guy Terry, Ph.D.....1812 Hinman Avenue, Evanston
Assistant Professor of History.....Liberal Arts

Milton Spenser Terry, D.D., LL.D.....1812 Hinman Avenue, Evanston
Professor of Christian Doctrine and Lecturer on Comparative Religion.....Garrett

Henry Bascom Thomas, B.S., M.D.....103 State Street, Chicago
Instructor in Clinical Orthopedic Surgery.....Medicine

Richard Joseph Tivnen, M.D.....100 State Street, Chicago
Instructor in Ophthalmology.....Medicine

Henry Carroll Tracy, Ph.D. . . . . 2431 Dearborn Street, Chicago
Assistant in Anatomy . . . . . Medicine

Guy VanSchaick, B.L., LL.B. . . . . 1124 American Trust Building, Chicago
Instructor in Commercial French and Commercial Spanish . . Commerce

Harry Isaac Van Tuyl, B.S., M.D., D.D.S. . . . . 6249 Kimbark Ave., Chicago
Assistant Professor of Anatomy . . . . . Dentistry

Benjamin Waldberg, D.D.S. . . . . 87 Lake Street, Chicago
Superintendent of Prosthetic Laboratory . . . . . Dentistry

Carl Gideon Wallenius . . . . . 2405 Sherman Avenue, Evanston
President . . . . . Swedish

Frank Xavier Walls, M.D. . . . . 103 State Street, Chicago
Professor of Pediatrics . . . . . Medicine

Seymour Walton, A.B., C.P.A. . . . . 150 Michigan Avenue, Chicago
Professor of Theory and Practice of Accounting . . . . . Commerce

Glenn Yost Warner, B.S. . . . . 520 Davis Street, Evanston
Assistant in German . . . . . Liberal Arts

Alfred George Wathall . . . . . 2647 Florence Avenue, Chicago
Instructor in Violin and Theory . . . . . Music

Thomas James Watkins, M.D. . . . . 103 State Street, Chicago
Clinical Professor of Gynecology . . . . . Medicine

John Thomas Welch, M.D. . . . . 1378 East 55th Street, Chicago
Clinical Assistant in Surgery . . . . . Medicine

Fred Werner, M.D. . . . . 2979 Indiana Avenue, Chicago
Instructor in Operative Obstetrics . . . . . Medicine

Victor J. West, Ph.B. . . . . 1017 Grove Street, Evanston
Instructor in Politics . . . . . Liberal Arts

William Alfred White . . . . . Y. M. C. A., Evanston
Instructor in Sight-Reading, Choral Music, and Public School
Music Methods; Director, Public School Music Department . . . Music

Twing Brooks Wiggin, M.D. . . . . 100 State Street, Chicago
Professor of Physiology and Pathology . . . . . Dentistry

John Henry Wigmore, A.M., LL.B., LL.D. . . . . 207 Lake Street, Evanston
Professor of Law; Dean . . . . . Law

Arthur Herbert Wilde, Ph.D., S.T.B. . . . 2316 Orrington Avenue, Evanston
Professor of History . . . . . Liberal Arts
Secretary . . . . . University Council
Acting Dean . . . . . Pharmacy

Murray Shipley Wildman, Ph.D .....847 Judson Avenue, Evanston
Assistant Professor of Economics and Commerce .....Commerce

Eugene Shaw Willard, D.D.S.....4835 Champlain Avenue, Chicago
Assistant Professor of Bacteriology.....Pharmacy
Assistant Professor of Operative Dentistry and Bacteriology..Dentistry

Alfred Joy Willetts, M.D .....5 East Garfield Boulevard, Chicago
Clinical Assistant in Medicine.....Medicine

Day Williams.....6233 Lakewood Avenue, Chicago
Instructor in Violoncello .....Music

John Gordon Wilson, A.M., M.B., C.M....34 Washington Street, Chicago
Professor of Otology.....Medicine

Robert Edward Wilson, Ph.M.....2015 Sherman Avenue, Evanston
Assistant Professor of Mathematics.....Liberal Arts

Walter LeRoy Wilson, D.D.S .....87 Lake Street Chicago
Demonstrator in Operative Dentistry .....Dentistry

Maurice Wolff, M.D. .....103 State Street, Chicago
Clinical Assistant in Genito-Urinary Dispensary .....Medicine

Cassius Marcius Wood .....2023 Thayer Street, Evanston
Assistant Librarian .....Garrett

William Logan Woodburn, A.M. .....725 Foster Street, Evanston
Instructor in Botany .....Liberal Arts

Ernest Woollett .....79 South Clark Street, Chicago
Instructor in Accounting and Business Methods .....Pharmacy

Frank Wright, Ph.C., M.D.....3356 Indiana Avenue, Chicago
Instructor in Chemistry.....Medicine

Abram VanEpps Young, Ph.B.....2106 Orrington Avenue, Evanston
Professor of Chemistry.....Liberal Arts

Charles Benjamin Younger, M.D.....34 Washington Street, Chicago
Instructor in Laryngology and Rhinology.....Medicine

Albert Bernard Yudelson, M.D.....4539 Indiana Avenue, Chicago
Clinical Assistant in Neurology.....Medicine

Joseph Zeisler, M.D.....100 State Street, Chicago
Professor of Skin and Venereal Diseases.....Medicine

Frederick Robert Zeit, M.D.....2431 Dearborn Street, Chicago
Professor of Pathology and Bacteriology.....Medicine

Grounds, Buildings and Equipment

The University Campus in Evanston has an area of about seventy-five acres and is beautifully situated on the shore of Lake Michigan, two miles from the northern limit of the city of Chicago. On it are the buildings of the College of Liberal Arts, the College of Engineering, Garrett Biblical Institute, Evanston Academy, and the School of Oratory. The School of Music and the Women's dormitories—Willard Hall, Pearsons Hall, and Chapin Hall—are on Willard Hall Campus, distant from the University Campus about three minutes walk. The Medical School is in Chicago, between 24th and 25th Streets on Dearborn Street. The Schools of Law, Pharmacy, Dentistry, and Commerce are in the University Building, at the corner of Lake and Dearborn Streets.

College of Liberal Arts

University Hall, a capacious stone structure of attractive architecture, was erected in 1869. It contains the President's office, the administrative offices of the College, the botanical, geological, and zoölogical laboratories, lecture and recitation rooms, and private offices for professors.

Fayerweather Hall of Science, erected in 1886, was the gift of Mr. D. B. Fayerweather, of New York. It is constructed of stone and brick, with terra-cotta trimmings. The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, inclosing a court in which the power house for the building is located. It is divided into two sections, for chemistry and physics, separated by a fire-proof wall.

Orrington Lunt Library is a structure of Bedford limestone, erected in 1893, largely from a gift of Mr. Orrington Lunt, of Evanston, a charter member of the Board of Trustees and for some time its president. Its dimensions are 162 feet by 73 feet. The main floor contains a room for book storage, directly connected with a second book-room in the basement, the reading-room, and the offices of administration. On the second floor are an auditorium with seating capacity for three hundred persons, a large room occupied by the Art Collection, donated to the University by the University Guild, and apartments for class, seminary, and office use. Other parts of the building are used for class rooms.

Dearborn Observatory is a substantial stone building, erected in 1888 through the generosity of Mr. James B. Hobbs, of Chicago, a trustee of the University. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It includes a dome for the equatorial, a meridian circle room, a library, and eight additional rooms, the whole being arranged especially for convenience in astronomical work.

The equatorial refracting telescope was made by Alvan Clark and Sons, in 1861. It has a focal length of 23 feet and a clear aperture of 18½ inches. It is fitted with driving clock, micrometer, and other appliances necessary for research work.

The meridian circle is of the first class, and was constructed in 1867 by Messrs. A. Repsold and Sons. This instrument has an object glass of 6⅜ inches aperture, and a divided circle of 40 inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Konigsberg circle by the same makers, but has some improvements in the mode of illuminating the field of view, and in apparatus for registering declinations. Hough's printing and recording chronographs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer, William Bond and Son, No. 279, and three mercurial pendulum clocks.

Old College was the first building erected by the University. It stood originally on the corner of Hinman Avenue and Davis Street, and for many years was the only building the University used for educational purposes. It was moved to the Campus in 1871, and was enlarged for the use of the Academy. Since 1899, when the Academy was transferred to Fisk Hall, it has been used for college class-rooms.

The Gymnasium is an imposing structure on the upper Campus. Its area is 300 feet by 150 feet. In the erection of the building every effort was made to secure a maximum of convenience and efficiency.

The equipment of the building includes a gynmasium floor of 7,200 square feet, fitted with all apparatus necessary for class work; a smaller room for boxing, fencing, wrestling, and for the use of special apparatus; a swimming pool; an indoor field without obstructions, 215 by 120 feet, and provided with apparatus for track athletics; social rooms, offices, trophy room, and locker rooms.

The indoor field will be heated in cold weather so that indoor track work and athletic games may continue throughout the academic year. The form and spaciousness of the indoor field permit its use as an auditorium for the principal events of commencement week. It will accommodate an audience of 4,500 people.

The Central Heating Plant is on the lake shore near Old College. It has capacity for heating all the buildings on the main campus.

Northwestern Field was provided as an athletic field at a cost of $25,000, exclusive of the value of the land. It is twelve acres in area, comprising two foot-ball fields, a base-ball diamond, a quarter-mile cinder track with a 200-yard straightaway, and pits for pole vaulting and jumping. The Field House contains dressing quarters and shower baths. The bleachers have a capacity of ten thousand persons.

The Tennis Courts are immediately north of the lower campus.

The College of Engineering

The Swift Hall of Engineering, completed in 1909, is situated on the lake shore, east of Orrington Lunt Library. Funds for the erection of the building and its maintenance were donated by Mrs. Gustavus F. Swift and Mr. Edward F. Swift, of Chicago.

The building is four stories in height, is chaste in its lines of construction, and is specially adapted to the purposes of engineering studies. The outer walls are of gray stone, the roof of tile, the inner walls of pressed brick. Most of the frame of the building, the stairways, and the floors are of reenforced concrete. A minimum of wood has been employed in the construction. Heating and ventilation are furnished by the blast system which forces warm fresh air into the building and exhausts the foul air.

The Hall is 126 feet long and 58 feet wide. It gives ample accommodation for class rooms, offices, laboratories, library, and study rooms.

The Medical School

The Laboratory Building is situated on Dearborn Street between Twenty-fourth and Twenty-fifth Streets. The building is a five-story structure, 110 feet by 105 feet, of cut stone, brick, and terra cotta. The building contains a large number of laboratories, an amphitheater, the museum; and rooms for lectures, for the medicine and surgery dispensary clinics, for dissections, and for original research.

Davis Hall was erected in the summer of 1893. The building contains the administrative offices, one large and several smaller amphitheaters, suites of rooms for the various departments of medicine, large clinic rooms and research laboratories, the library and reading room. Thirty thousand patients are treated here annually.

The Calumet Avenue Dispensary was erected in 1908 for ambulatory patients. Sixteen clinic rooms insure privacy and thoroughness of examination. In addition to these there are on the main floor a dry room, X-Ray laboratory, a photographic room, with dark-room equipment and office, and a director's room; and on the second floor a large assembly room.

Mercy Hospital is situated on Twenty-Sixth Street, extending from Prairie Avenue to Calumet Avenue. It is under the care of the faculty of the Medical School, and is conducted by the Sisters of Mercy. A large new pavilion has just been erected. The capacity is about four hundred beds. The operating rooms are equipped with every modern facility.

Wesley Hospital stands beside the buildings of the School and is connected with them by a covered corridor. Among the most notable recent additions to the equipment of the Medical School are the operating rooms, wards, and laboratories of Wesley Hospital. The wards and private rooms contain together two hundred twenty-five beds.

The Hospital has four large wards, of twenty beds each, separating the sexes, and medical from surgical patients. There are also eight smaller wards, a Children's Ward and two Babies' Wards. The patients from these wards, both large and small, are available for clinical instruction. Over 4,000 patients were treated last year.

The Law School, the School of Pharmacy, the Dental School, and the School of Commerce

Northwestern University Building, which contains the Law School, the School of Pharmacy, the Dental School and the School of Commerce, is located at the south-east corner of Lake and Dearborn Streets, Chicago. This property was acquired by the University in 1901 and remodeled for the use of these departments. The Chicago office of the President and the office of the Business Manager of the University are in this building.

The Law School occupies the third floor, the School of Pharmacy the fourth floor, the Dental School the fifth, sixth, and seventh floors. Each school is equipped with class-rooms, library, study and social rooms, lockers, and office rooms. The Law School has in addition a court room, alumni room, and rooms for professors. The School of Pharmacy and the Dental School have large and well equipped laboratories. The Dental School is provided with spacious and well lighted rooms for its clinics.

The School of Commerce has its office on the second floor and uses for its classes the lecture rooms of the School of Pharmacy. The University's Extension Classes for public school teachers meet in the lecture rooms of the Law School and the School of Pharmacy.

The situation of these schools, in the heart of Chicago, affords unexcelled advantages.

The School of Music

Music Hall is situated on Willard Hall Campus, a short distance west of the University Campus. It was erected as a home for the School of Music in 1897, and is substantially built of stone and brick, with a tile roof, and is finished in pine. It contains thirty-two rooms besides a well arranged concert hall seating over three hundred. Fourteen of the rooms are used for teaching purposes and the remainder for practice. The Hall is provided with a large stage and a two manual pipe organ with pedals. The School of Music uses for its various purposes thirty-eight pianos, both grands and uprights.

The Preparatory Schools

Fisk Hall, erected in 1898, the gift of Mr. William Deering, is devoted to the Evanston Academy. It was named in honor of Professor Herbert F. Fisk, Principal of the Academy from 1873 until 1904. The building is a

three-story Romanesque structure of brick and terra cotta, with stone trimmings and a tile roof. It stands at the south end of the campus with a frontage of 180 feet on Sheridan Road. The woodwork is of quartered oak, and the heating, lighting, and ventilating appointments are excellent. A fine three manual Casavant pipe organ is used for chapel purposes by the College and the Academy, as well as for practice purposes by organ students in the School of Music.

Hatfield House, the Academy dormitory for boys, erected in 1890, is situated on the University campus. In 1906, through the generosity of Mr. James A. Patten, of Evanston, it was remodeled as a modern and well-equipped dormitory for twenty-five boys. The rooms are in suites, consisting of a study and two well-lighted bed-rooms with wardrobes.

Grand Prairie Seminary, situated at Onarga, Illinois, has four buildings, an auditorium seating six hundred persons, a recitation hall, a dormitory for women, and a gymnasium. The campus on which these buildings are situated consists of about six acres of beautifully shaded ground.

Elgin Academy has two well constructed buildings, situated in the most elevated portion of the city of Elgin. The main building is a three-story brick structure used for general class-room purposes. Lovell Science Hall was erected in 1888 through the generosity of Mrs. Vincent S. Lovell.

Garrett Biblical Institute

Memorial Hall, a handsome building of pressed brick, was erected on the campus for Garrett Biblical Institute in 1887. It contains the library and lecture rooms of the Institute and a chapel with seating capacity for about five hundred. The chapel windows are adorned with elaborate designs in rich cathedral glass, in harmony with the ideal of the hall, which was erected as a memorial to deceased professors of the Institute and to others well known for interest in theological studies. During the summer of 1906 a fire-proof addition was completed for the Library and Archæological Museum, which has been recently endowed.

Heck Hall, a dormitory, was erected in 1867. It is a brick building, five stories in height, heated by steam and lighted by electricity. The rooms are in suites consisting of study, bed-room, and wardrobe.

The School of Oratory

Annie May Swift Hall was erected during the year 1895. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra cotta. The roof is of red tile. The building is heated by steam and

lighted by electricity. It was named in memory of a deceased daughter of the late Mr. Gustavus F. Swift, of Chicago, a trustee of the University and the largest contributor toward the erection of the building. On the first floor are an auditorium, reading-room, and reception rooms. The second story is divided into fifteen rooms for private instruction.

Libraries

The main library, housed in the Orrington Lunt Library building on the University Campus, contains the collection of the College of Liberal Arts, the College of Engineering, the School of Music, and Evanston Academy. This library is at the service of all members of the University. Persons not connected with the University, desiring to use the library for purposes of study, may be granted library privileges. Additions are made at the rate of about seven thousand volumes and pamphlets a year. The library includes special collections known as the Greenleaf Collection and the Schneider Collection.

The Greenleaf Collection, the gift of the late Mr. Luther L. Greenleaf of Evanston, contains 11,246 bound volumes and a large and valuable assortment of unbound dissertations and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German, and other Modern languages. In the departments of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider Collection is the German section of the library, added in 1898 through the generosity of German citizens of Chicago, and numbers 2,533 volumes. It includes many first editions of standard authors, original prints from the period of the Reformation, and a large collection of annuals, *Musenalmanache* and *Taschenbücher*, of the eighteenth and nineteenth centuries.

The Library of the Medical School, known as the Alumni Library, has been acquired by purchase, and by donations from students, alumni, and members of the faculty. It contains a large number of reference books and dictionaries, and all of the larger systems of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear.

The Library of the Law School is centrally located in the rooms of the School. The space devoted to it is divided into large alcoves, each containing a table and comfortable chairs. The library is well stocked with reports and necessary works of reference, and is being rapidly increased. The generosity of Mr. Elbert H. Gary, '67, has established and maintained a special, rarely comprehensive and scholarly collection of legal treatises

and texts. Its equipment makes it pre-eminently adapted to work of investigation. A fuller description of this library is given in the Law School section of this catalogue.

The Library of the School of Music is composed of orchestral scores, orchestral parts, four and eight-hand piano arrangements and chorus music in ample quantities to conduct properly the orchestral, chamber music, ensemble, and chorus classes. The music section of the general library, embracing reference works, general works, and special works on music to the number of 258 volumes is housed in Music Hall, where it is accessible to students of the College of Liberal Arts and of the School of Music.

The Library of Garrett Biblical Institute is in Memorial Hall. It has been collected to meet the needs of theological students, and is well selected and conveniently arranged. A rare collection of Methodist literature, the largest and richest collection in existence, has been given to this library by Mr. William Deering.

STATISTICS

The number of bound volumes and pamphlets in the several libraries of the University, June, 1909, was as follows:

	Bound Volumes	Pamphlets
Northwestern University Library, including the College of Liberal Arts, College of Engineering, Dearborn Observatory, and Evanston Academy	78,952	55,000
The Medical School	5,675	8,717
The Law School	33,000	3,000
The School of Pharmacy	1,500	1,480
The Dental School	3,008	16,000
The School of Music	548	1,850
The School of Commerce	104	100
The School of Oratory	850	
Garrett Biblical Institute	27,000	4,500
Norwegian Danish Theological Seminary	1,200	
Swedish Theological Seminary	1,051	500
	152,888	91,147

Students residing in Evanston and non-residents by special arrangement, have free use of the Evanston Public Library, containing 46,007 volumes. In Chicago students have access to the Chicago Public Library, 471,587 volumes; the John Crerar Library, 270,000 volumes; the Newberry Library, 213,844 volumes; and the Library of the Chicago Historical Society, 50,000 volumes.

Museums

The Museum of the College of Liberal Arts was for many years the object of special attention on the part of the late Professor Oliver Marcy. It con-

tains several thousand rare and valuable specimens, and is divided into sections as follows: Anthropology, Botany, Geology, Mineralogy, and Zoölogy. The section of Mineralogy is in the laboratory of Mineralogy and Metallurgy; the other sections, on the fourth floor of University Hall, and in the rooms of the departments of Botany, Geology, and Zoölogy.

The Anthropology Section comprises about 8,000 specimens in aboriginal archæology, and has been developed largely through the interest of Dr. William A. Phillips of Evanston. Primitive ceramic art in the United States is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri. Primitive work in stone and copper is represented by collections from various parts of the United States and from England. During recent years a collection of material from the cliff-dwellings of the pueblos of New Mexico has been added to the Museum.

The Botany Section is made up chiefly of gifts received from alumni and friends of the College and of collections made by students and instructors. It contains about fifteen thousand specimens. It includes collections made by Robert Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley, and by I. A. Lapham, from Southern Illinois; also collections from New England and New York, the Lake Superior region, and Cook County, Illinois. The Henry H. Babcock Herbarium, donated in 1887 by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, is well provided with substantial cases, and contains specimens from all quarters of the globe, in number about five thousand.

The Geology Section contains typical rocks from this country and Europe. These exhibit the variations in structure and texture of the large groups of sedimentary, metamorphic, and igneous rocks, and also show the rock formations in the geological column from the more ancient to the recent rocks. The series of fossils, both of plants and of animals, are extensive, containing characteristic fossils of the different geologic periods. The collections that are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, fossils and rocks from the Illinois Geological Survey; 3, Niagara fossils from Chicago and Racine, including type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, miscellaneous specimens from many parts of the world.

The Mineralogy Section contains specimens of many mineral species in numbers sufficient to illustrate fully characteristics and occurrence. In addition to the general collection are the Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations of economic ores; the Tyler collection, containing many crystals, notably good calcites; and a rare collection of azurites and malachites.

The Zoölogy Section contains: 1, the mammals, birds, reptiles, and batrachians indigenous to Illinois; 2, the mammals and birds of the New

South Wales exhibit at the Columbian Exposition, the kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the regent, the lyre-bird, and the apteryx from New Zealand—in all four hundred fifty specimens, a very complete presentation of that strange fauna; 3, a series of corals, and a series of birds from the Philippine Islands, including what is thought to be all the species of cuckoos and parrots for that locality; 4, a series of skeletons, prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and of fishes; 5, about 30,000 miscellaneous specimens, including large animals such as the moose, the buffalo, the Virginia deer, the white bear, and the reindeer; birds from India, Central America, Brazil, British Guiana, Norway, and Russia; a collection of 15,000 marine and fresh-water shells; a large collection of fish donated by the Smithsonian Institution; fish from Lake Michigan, prepared by Dr. William A. Phillips; and a multitude of low forms of marine life, collected by Professor William North Rice, of Middletown, Connecticut.

Owing to lack of room and suitable cases much of the material of the Museum is not now on exhibition, but is stored awaiting a proper building. The main part of the Mineralogy section is on exhibit, and specimens in the other sections especially helpful in teaching are available.

The Museum of the Medical School is arranged on the second floor of the Laboratory Building and contains preparations and specimens illustrative of normal, pathological, and comparative anatomy. The specimens are preserved in natural colors by the Kayserling method and are unusually well adapted for the purposes of instruction.

The Museum of the School of Pharmacy, situated on the fourth floor of the University Building in Chicago, is exceptionally complete in exhibits of drugs, chemicals, preparations, and apparatus.

The Museum of the Dental School includes: 1, specimens to illustrate comparative anatomy, heads with teeth, of fish, reptiles, saurians, and of the several orders of mammals; 2, an exceptionally complete and valuable set of specimens of the human skull, with dissections in a series showing the development of the teeth and the roots from the first appearance to the adult; 3, a large collection of abnormal formations of the human teeth, collected by students, by alumni, and by members of the dental profession.

The Museum of Garrett Biblical Institute—A Museum of Christian Antiquities, endowed in memory of the Reverend Charles W. Bennett, Professor of Church History, is installed in Memorial Hall. Pictorial illustrations of the early Christian Art found in the Catacombs are reproduced on the walls and various Christian antiquities have been purchased abroad. The Museum will be open to the public.

Miscellaneous Information

Presidents of the University

Clark Titus Hinman, D.D., President, 1853-1854
Henry Sanborn Noyes, A.M., Acting-President, 1854-1856
Randolph Sinks Foster, D.D., LL.D., President, 1856-1860
Henry Sanborn Noyes, A.M., Acting-President, 1860-1867
David Hilton Wheeler, D.D., Acting-President, 1867-1869
Erastus Otis Haven, D.D., LL.D., President, 1869-1872
Charles Henry Fowler, D.D., LL.D., President, 1872-1876
Oliver Marcy, LL.D., Acting-President, 1876-1881
Joseph Cummings, D.D., LL.D., President, 1881-1890
Henry Wade Rogers, LL.D., President, 1890-1900
Daniel Bonbright, A.M., LL.D., Acting-President, 1900-1902
Edmund Janes James, Ph.D., LL.D., President, 1902-1904
Thomas Franklin Holgate, Ph.D., LL.D., Acting-President, 1904-1906
Abram Winegardner Harris, Sc.D., LL.D., President, 1906-

Equipment and Expenditures

The value of buildings and grounds used for educational purposes, including Libraries, Museums, and Sundry Equipments was, June 30, 1910, $3,232,164. The Endowment and Trust Funds, in addition to educational property, were $4,396,246.

The expenditures of the University for educational purposes were for the year 1909-1910:

University General	$138,036
College of Liberal Arts	219,153
Medical School	83,901
Law School	41,904
College of Engineering	29,241
School of Pharmacy	27,958
Dental School	70,412
School of Music	49,103
School of Commerce	15,347
Evanston Academy	32,204
Willard Hall	28,951
Hatfield House	6,496
	$724,706

The University Guild

The University Guild is an association of women which seeks to secure works of art for the University and to cultivate artistic taste in matters of common life by means of frequent lectures and discussions. Meetings are held the second Tuesday of each month in Orrington Lunt Library.

The Guild supports a scholarship in the University and maintains a membership in the Municipal Art League of Chicago by means of which many special opportunities are offered for studying the art collections of Chicago.

In 1908 the Guild established and still aids the University in supporting Art Courses in the College of Liberal Arts, which are open to College students and townspeople alike, at a nominal fee. The Instructor is known as the University Guild Lecturer on the Principles of Art. See page 117.

The Art Collection includes pottery and porcelain from many foreign and American factories. There are specimens of Doulton ware including the Lambeth Faience Vase, also French bronzes, Venetian, Bohemian, and Tiffany glass. There are also several plaster casts presented by the French Government, twenty busts of eminent scholars, Thorwaldsen's Mercury, Venus, Hebe, and the Shepherdess. The nucleus of a collection of oil and water color paintings, engravings, etchings, photographs, prints, textiles, lantern slides, and miscellaneous articles has been acquired, to which additions are being made from year to year.

Northwestern University Settlement

An association composed of alumni and friends of the University maintains, in Chicago, a social settlement known as the Northwestern University Settlement. The building, at the corner of Augusta and Noble Streets, is held in trust by the University for the use of the Settlement; it is a four-story brick structure, 60 by 78 feet. On the ground floor are the kindergarten, club rooms for men, gymnasium, and boiler room. The main floor contains the kitchen, coffee house, reception room, office, and library. Five large connected club rooms, one of which is used as the house dining room, and the domestic science room, and the serving room occupy the second floor. The third floor contains rooms for thirteen residents.

The object of the Settlement is the intellectual and social improvement of the neglected city population. The settlement is located on the edge of the large Polish Quarter of the city, and in the heart of the most densely populated district in Chicago. The resident group is composed of men and women engaged in educational, professional, and public service who wish to come into living contact with the people who bear the burden of the industrial

world. Opportunity is here offered to undergraduates for philanthropic work and practical acquaintance with sociological problems.

The general expenses of the Settlement are met by membership subscriptions and voluntary contributions.

University Publications

The University publishes the Northwestern University Bulletin, issued weekly during the academic year. In this series are included the General Catalogue of the University, the catalogues and other circulars of the various Schools, several issues of the Alumni News Letter, sent to every alumnus of the University, and other news bulletins to stimulate the interest of the public in the work of the University.

The faculty of the Medical School publishes a quarterly, sent to every alumnus, which contains original articles and notes of medical research. The Illinois Law Review, issued monthly during the academic year, is controlled by an association composed of alumni, members of the faculty, students of the Law School, and the practicing lawyers of Chicago. The Northwestern Dental Journal is issued quarterly by the faculty and alumni of the Dental School.

The students of the College of Liberal Arts, with the co-operation of those of the other schools, publish a daily, the Northwestern. The College of Liberal Arts students issue the Northwestern Magazine, a literary periodical; and the Syllabus, an illustrated annual. The students of Evanston Academy publish the Academian, a weekly, and the Bear, an annual; the students of Grand Prairie Seminary issue the Seminary Breeze, a monthly.

The Fund for the Promotion of International Peace and Christian Unity

On April 1, 1909 Mr. John R. Lindgren donated $25,000 to Northwestern University for the purpose of promoting International Peace and of furthering Interdenominational Harmony and the intimate unity of Christendom.

This is to be accomplished by holding conferences at such times as may be deemed expedient. The conferences are to be opened by an address from some distinguished advocate of International Peace, or Christian Unity, followed by a free discussion of the topics and of the propositions introduced. If it is deemed advisable, prizes may be offered for essays upon topics relating to the purposes of the fund.

The committee consists of Dr. Charles Joseph Little, President of Garrett Biblical Institute; Dr. Abram Winegardner Harris, President of Northwestern University; Mr. John Richard Lindgren, Trustee of North-

western University; Mr. Helge Alexander Haugan*; and Dr. Henry Clay Mabie, Rochester, New York.

Public Lectures and Concerts

The Norman W. Harris Lectures—These lectures, given annually, are endowed by a gift of Mr. Norman Wait Harris of Chicago. In his letter of gift the donor expressed the desire "that the fund should be used to stimulate scientific research of the highest type and to bring the result of such research before the students and friends of the Northwestern University, and through them before the world." The term "scientific research" was used to mean "scholarly investigation in any department of human thought or effort, without limitation to research in the so-called natural sciences, but with a desire that such investigation should be extended to cover the whole field of human knowledge." The lectures given on this foundation are published by the University.

The Fifth Course of Lectures is to be given in March, 1911, by Professor Francis Barton Gummere of Haverford College on the subject "The Progress of Poetry."

The Committee on the Norman W. Harris Lectures is: Dr. Abram W. Harris, Dean Thomas F. Holgate, Professor James Alton James, and Professor Norman Dwight Harris.

Many lectures and evening courses and concerts, open to students and to the general public, are given under the auspices of the University or of its various organizations.

Sermon on the Day of Prayer for Colleges, 1910—The Reverend Theodore S. Henderson, D.D.

Baccalaureate Sermon, 1910—The Reverend Bishop Henry White Warren, D.D., LL.D., of the Methodist Episcopal Church.

Commencement Addresses, 1910—Glenn Newton Merry, College of Liberal Arts; Ira Edward Westbrook College of Liberal Arts; Blaine Kirkpatrick, College of Liberal Arts; and Ernest Palmer, Law School.

Annual Address before the Phi Beta Kappa Society, 1910—*Professor* Felix E. Schelling, Ph.D., Litt.D., LL.D., of the University of Pennsylvania. "Humanities Gone and to Come."

Lecture under the auspices of the German Department—by Geheimrat Dr. Max Friedlaender, Professor of the History of Music in the University of Berlin, on Schubert.

Lectures before the University Guild—Lectures on art topics are delivered before the members of the University Guild and their friends.

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*Deceased.

Monday Evening Lectures—A course of Monday Evening Lectures was given in 1909-1910 by members of the Faculty of the College of Liberal Arts from December 6 to January 31. The lecturers were Professors Hatfield, James, Locy, Grant, Page, Crew, and Fox. A second series was given in 1910-1911 from November 7 to January 30. The lecturers were Professors Atwell, Brown, Curme, Clark, Patten, Hotchkiss, J. A. Scott, O. F. Long, and Baillot.

Student Lecture Course—A series of five public lectures and concerts given annually under the auspices of the College Young Men's Christian Association.

Lectures before the Science Club—The Science of Life Insurance by Professor D. F. Campbell; Hallucinations by Dr. R. H. Gault; Electrodynamics and the Principle of Relativity by Dr. A. C. Lunn; Biological Stations, by Dr. E. H. Harper, Dr. C. S. Mead, Mr. L. H. Redelings, and Mr. E. V. Smith; Tercentenary of the Telescope by Professor Philip Fox; Some Problems Relating to Irritability of Plants by Dr. Leigh Pennington; The Work of the Council of Pharmacy and Chemistry by Dr. John H. Long.

Lectures before the Engineering Club—The Work of the Coast and Geodetic Survey by Professor William H. Burger; A Plea for an Indigenous Art by Mr. George H. Maher; The Non-Magnetic Yacht "Carnegie" by Dr. L. A. Bauer; Mine Rescue Work by Mr. George S. Rice; Reclaiming the Desert by Mr. E. T. Perkins; Hydraulic Mining by Mr. Ernest McCullough; Precise Leveling by Director John F. Hayford; A Rear View of Technical Education by Mr. Wilton Bentley; The Brennan Monorail Car by Professor R. R. Tatnall; The North Shore Channel of the Drainage Canal by Mr. Samuel T. Smetters.

Lectures before the Sigma Xi Society—Franklin as a Diplomat by Professor James A. James; Is Investigation Worth While? by Professor E. L. Nichols; The Work of the Carnegie Solar Observatory at Mt. Wilson, California by Dr. George C. Hale; The Habits of Nest-building Fishes by Professor Jacob Reighard; The Aims and Achievements of Modern Mathematics by Professor Cassius J. Keyser; Optical and Engineering Problems in the Making of a Large Telescope by John A. Brashear, Sc.D., LL.D.; The Life and Work of Charles Darwin by Professor E. G. Conklin; The Desert Laboratory of the Carnegie Institution at Tucson, Arizona by Dr. D. T. McDougal.

The Artists' Series of Concerts in the School of Music—These concerts are given under the auspices of the School of Music and are open to the public at a small fee. The series for 1910-1911 is as follows: Song Recital by Madame Frieda Langendorff; Song Recital by Albert Gregorowich Janpolski; Piano Recital by Sigismond Stojowski; Song Recital by Cecil Fanning; Piano and Cello Recital by Arne Oldberg and Day Williams; Three Chamber-Music Recitals by the University String Quartette.

Lectures Delivered at the Medical School—The Religion for a Doctor by Dr. William E. Quine; The White Slave Trade in Chicago by U. S. Attorney E. W. Sims; The Physician Himself by Professor W. A. Evans; The Opportunity for a Medical Man in the Orient by Dr. Samuel Zwemer of Arabia; Medical Mission work in China by Dr. Seymour of China; A course of addresses by Professor W. S. Hall.

Lectures, School of Commerce—Bonds and the Stock Market by Mr. Roger W. Babson; Reforming the National Currency System by Mr. G. M. Reynolds; Insurance by Mr. George A. Gilbert; Economic Aspects of Life Insurance by Mr. Courtney Barber; Underwriting Syndicates for Security Issues by Mr. Charles H. Schweppe.

Lectures given in Garrett Biblical Institute—The World's Missionary Convention in Edinburgh by Rev. Stephen J. Herben; The Methodist Episcopal Church in Rome by Miss Italia Garibaldi; Equipment for the Ministry by Rev. J. Wilbur Chapman; The Secret of Power by Rev. Henry Ostrom; Practical Temperance Work by Hon. Alonzo E. Wilson; The Higher Patriotism by Mr. Edwin D. Mead; The Appeal of Korea by Rev. Fred H. Sheets.

Fraternities and Sororities

With Date of Establishment in the University

Phi Beta Kappa, Illinois Alpha Chapter, 1889
Sigma Xi, Northwestern Chapter, 1906
Alpha Omega Alpha, 1903

COLLEGE OF LIBERAL ARTS

Deru, Senior Fraternity, 1896
Sigma Chi, Omega Chapter, 1869
Phi Kappa Sigma, Upsilon Chapter, 1872
Beta Theta Pi, Rho Chapter, 1873
Phi Kappa Psi, Illinois Alpha Chapter, 1878
Delta Upsilon, Northwestern Chapter, 1880
Phi Delta Theta, Illinois Alpha Chapter, 1858
Delta Tau Delta, Beta Pi Chapter, 1893
Sigma Alpha Epsilon, Illinois Psi-Omega Chapter, 1894
Sigma Nu, Gamma Beta Chapter, 1898
Aleph Teth Nun, 1902
The Wranglers, 1904
The Scribblers, 1908
The Eclectics, 1908
Epsilon Eta, Senior Sorority, 1904
Alpha Phi, Beta Chapter, 1881

Delta Gamma, Sigma Chapter, 1882
Kappa Kappa Gamma, Upsilon Chapter, 1882
Kappa Alpha Theta, Tau Chapter, 1887
Gamma Phi Beta, Epsilon Chapter, 1888
Pi Beta Phi, Illinois Epsilon Chapter, 1894
Delta Delta Delta, Epsilon Chapter, 1895
Chi Omega, Xi Chapter, 1901
Kappa Delta, Lambda Chapter, 1907
Alpha Omicron Pi, Rho Chapter, 1909

THE MEDICAL SCHOOL

Phi Rho Sigma, Alpha Chapter, 1890
Nu Sigma Nu, Zeta Chapter, 1891
Alpha Kappa Kappa, Xi Chapter, 1901
Phi Beta Pi, Theta Chapter, 1902
Omega Upsilon Phi, Mu Chapter, 1903
Phi Chi, Pi Rho Sigma Chapter, 1910

THE LAW SCHOOL

Order of the Coif, 1906
Delta Sigma Rho, Northwestern Chapter, 1906
Delta Chi, Northwestern Chapter, 1893
Phi Alpha Delta, Melville W. Fuller Chapter, 1898
Alpha Kappa Phi, 1902

THE SCHOOL OF PHARMACY

Phi Delta Chi, Beta Chapter, 1895
Phi Gamma Sigma, Alpha Chapter, 1902

THE DENTAL SCHOOL

Delta Sigma Delta, Eta Chapter, 1891
Psi Omega, Iota Chapter, 1896
Xi Psi Phi, Rho Chapter, 1900

THE SCHOOL OF MUSIC

Alpha Chi Omega, Gamma Chapter, 1890
Sigma Alpha Iota, Beta Chapter, 1904
Phi Mu Alpha, 1910

THE SCHOOL OF ORATORY

Zeta Phi Eta, 1893
Omega Upsilon, 1904
Sigma Delta Gamma, 1910

College of Liberal Arts

THE College of Liberal Arts, the first school of the University to be organized, was opened to students on November 5, 1855. The courses of study are designed to afford a broad and liberal culture without direct reference to a professional career though forming a valuable preparation for it and for the highest effectiveness in business and administrative occupations. The curriculum leads to the degree of Bachelor of Arts or Bachelor of Science. Courses are offered in advance of those open to the ordinary undergraduate and lead to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy in the Graduate School.

The site of the College of Liberal Arts is Evanston, twelve miles north from the business center of Chicago. The University charter contains a prohibition of saloons within four miles of the campus and the law is enforced. The city is situated on Lake Michigan, is distinguished for its wealth, its beauty, and public spirit, and possesses the academic charm that makes it an ideal college town.

The campus extends for three-quarters of a mile along the shore of the lake, and is bordered by Sheridan Road on the west. On the main campus, besides the College of Liberal Arts, are the College of Engineering, the Library, Garrett Biblical Institute, Evanston Academy, the School of Oratory and the United States Life Saving Station. Willard Hall campus contains the School of Music and the women's dormitories.

The College is fortunate in its environment. Students have access to churches, lectures, and concerts in Evanston and Chicago that supplement in a broad and stimulating way the instruction of the class room.

The educational aim of the College is to bring student and instructor together into intellectual association and co-operation, and to provide such facilities for the student as will enable him to make the most of his time and energy. In numbers, the College ranks among the largest but it cherishes the responsibility of the faculty to the individual student.

Combined courses of study permit the prospective student of medicine, law, or theology to attain his professional degree in a minimum of time.

Abram Winegardner Harris, Sc.D., LL.D.
President

Daniel Bonbright, A.M., LL.D.
Dean Emeritus

Thomas Franklin Holgate, Ph.D., LL.D.
Dean of the College

Daniel Bonbright, A.M., LL.D.
John Evans Professor of Latin Language and Literature

Herbert Franklin Fisk, D.D., LL.D.
Professor of Education

Robert McLean Cumnock, A.M., L.H.D.
Professor of Rhetoric and Elocution

Abram Van Epps Young, Ph.B.
Professor of Chemistry

James Taft Hatfield, Ph.D.
Professor of German Language and Literature

Charles Beach Atwell, Ph.M.
Professor of Botany

Henry Crew, Ph.D.
Fayerweather Professor of Physics

J. Scott Clark, A.M., Litt.D.
Professor of English Language

Peter Christian Lutkin, Mus.D.
Professor of Organ, Theory, and Composition

George Albert Coe, Ph.D., LL.D.
Honorary Professor of the Philosophy and Psychology of Religion

Thomas Franklin Holgate, Ph.D., LL.D.
Henry S. Noyes Professor of Mathematics

William Albert Locy, Ph.D., Sc.D.
Professor of Zoölogy

George Oliver Curme, A.M., Litt.D.
Professor of Germanic Philology

James Alton James, Ph.D.
Professor of History

Edouard Paul Baillot, L.H.D.
Professor of Romance Languages

Amos Williams Patten, A.M., D.D.
Professor of Biblical Instruction

Ulysses Sherman Grant, Ph.D.
William Deering Professor of Geology

John Adams Scott, Ph.D.
Professor of Greek Language and Literature

Arthur Herbert Wilde, Ph.D.
Professor of History

Arthur Charles Lewis Brown, Ph.D.
Professor of English Literature

Norman Dwight Harris, Ph.D.
Professor of European Diplomatic History

Walter Dill Scott, Ph.D.
Professor of Psychology

Mary Ross Potter, A.M.
Dean of Women

Willard Eugene Hotchkiss, Ph.D.
Professor of Economics

David Raymond Curtiss, Ph.D.
Professor of Mathematics

Lewis Oscar Gillesby
Professor of Physical Culture

Philip Fox, M.S.
Professor of Astronomy and Director of Dearborn Observatory

Curtis Hidden Page, Ph.D.
Professor of English Literature

Omera Floyd Long, Ph.D.
Associate Professor of Latin

Walter Lichtenstein, Ph.D.
Librarian

Charles Edward Hammett
Director of Physical Training

Robert Richardson Tatnall, Ph.D.
Associate Professor of Physics

Roy Caston Flickinger, Ph.D.
Associate Professor of Greek; Secretary of the Faculty

Walter Libby, Ph.D.
Assistant Professor of Education

Earl Dean Howard, Ph.D.
Assistant Professor of Economics

Murray Arnold Hines, Ph.D.
Assistant Professor of Chemistry

Georg Edward
Assistant Professor of German

Bernard Capen Ewer, Ph.D.
Assistant Professor of Philosophy

George Rogers Mansfield, Ph.D.
Assistant Professor of Geology

Robert Edward Wilson, Ph.M.
Assistant Professor of Mathematics

Eugene Howard Harper, Ph.D.
Assistant Professor of Zoölogy

Alphonso de Salvio, Ph.D.
Assistant Professor of Romance Languages

James Caddall Morehead, Ph.D.
Assistant Professor of Mathematics

Frederick Shipp Deibler, Ph.D.
Assistant Professor of Economics

Arthur Guy Terry, Ph.D.
Assistant Professor of History

Andrew Runni Anderson, Ph.D.
Assistant Professor of Latin

Horace Craig Longwell, Ph.D.
Assistant Professor of Philosophy

Axel Louis Elmquist, A.M.
Instructor in Scandinavian Languages

Frank Adolf Bernstorff, A.B.
Instructor in German

William Hawes Coghill, E.M.
Instructor in Mining and Metallurgy

Walter Edward Roloff, A.M.
Instructor in German

David Harrison Stevens, A.M.
Instructor in English Language; Registrar

Edgar White Burrill, A.M.
Instructor in English Language

Robert Lee Moore, Ph.D.
Instructor in Mathematics

Franklyn Bliss Snyder, Ph.D
Instructor in English Literature

Robert Harvey Gault, Ph.D.
Instructor in Psychology

Winford Lee Lewis, Ph.D.
Instructor in Chemistry

James Lawrence Lardner, A.M.
Instructor in Elocution

Foster Erwin Guyer, A.M.
Instructor in French

William Vipond Pooley, Ph.D.
Instructor in History

*Gretchen Huegin
Instructor in Physical Training

Donald Monroe Gilbert, A.B.
Instructor in French

William Logan Woodburn, A.M.
Instructor in Botany

George Thomas Hargitt, Ph.D.
Instructor in Zoölogy

Charles Edward Brooks, Ph.D.
Instructor in Mathematics

Charles Edward Persons, A.M.
Instructor in Economics

George Chester Curtiss, A.B.
Instructor in English Language

Victor J. West, Ph.B.
Instructor in Politics

William Frank Bryan, A.M
Instructor in English Language

Bird Mabel Arnold
Instructor in Physical Training

Stella Skinner
University Guild Lecturer on the Principles of Art

Samuel Orace Dunn
Lecturer on Transportation

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* Resigned

Isaac Merton Cochran, A.M.
Coach in Debating

Thomas Henry Robinson
Assistant in Physical Training

Sara Frances Bragdon, A.B.
Assistant in French

Eli Victor Smith, A.M.
Fellow and Assistant in Zoölogy

Joseph William Hake, A.B.
Assistant in Physics

Arthur Jackson Ellis, A.B.
Assistant in Mineralogy

Lewis Omer, A.B.
Assistant in Physical Training

John Nicholas Keller
Assistant in the Gymnasium

Lydia Leichsenring
Assistant in the Gymnasium

LIBRARY STAFF

Walter Lichtenstein, Ph.D.
Librarian

Adaline Maitland Baker, B.L.S.
Head Cataloguer

Eleanor Frances Lewis, A.B.
Head of Circulating Department

Eleanor Worthington Falley, B.S.
Ordering Department

Sadie Abia Thompson, Ph.B.
Cataloguer

Kathryn Allegra Kletzing, A.B.
Circulating Department

Agnes Lockwood Mowbray
Stenographer

Amy Cowley, B.S.
Circulating Department

Emil Sebo Ehmen, A.B.
Circulating Department

Standing Committees of the Faculty

Administration—Professors Holgate, Bonbright, Young, Hatfield, Atwell, Crew, Clark, Locy, James, Baillot, Grant, J. A. Scott, Miss Potter.

Undergraduate Study—Professors Young, Hatfield, Grant, Harris, Curtiss, Long, Deibler.

Library—Professors Bonbright, Young, Hatfield, Crew, Locy, James, Brown, Dr. Lichtenstein.

Fellowships and Scholarships—Professors James, Crew, Baillot, Grant, Hotchkiss, Long.

Admission Requirements—Professors Brown, Curme, Libby, Harper, Morehead, Mr. Elmquist, Mr. Coghill, Mr. Guyer, Mr. Gilbert, Mr. Bryan.

Board of Examiners—Professor Long, Mr. Bernstorff, Mr. Burrill, Dr. Moore, Dr. Lewis, Dr. Pooley.

Advanced Standing—Professors Grant, Morehead, Mr. Stevens.

Registration and Special Students—Professor Ewer, Dr. Lichtenstein, Professors Tatnall, Wilson, Mr. Stevens.

Delinquent Students—Professors Curtiss, W. D. Scott, Flickinger, Anderson, Mr. Bernstorff.

Honors and Distinctions—Professors Crew, Page; ex officio, Mr. Stevens.

Lower Class Advisers—Professors Atwell, Curtiss, Flickinger, Hines, Ewer, Mansfield, de Salvio, Morehead, Deibler, Terry, Anderson, Mr. Roloff, Mr. Stevens, Dr. Snyder, Dr. Gault.

Accredited Schools—Professors Libby, Atwell, Clark, W. D. Scott, Mr. Hammett, Dr. Hargitt.

Chapel and Religious Organizations—Professors Patten, Flickinger, Ewer.

Loan Funds—Professors Fisk, Atwell, Patten, Mr. Stevens.

Social Life of Students—Professors Clark, James, Patten, J. A. Scott, Lutkin, Miss Potter.

Gymnasium and Physical Training—Professors Wilson, James, Fox, Page, Deibler.

Student Enterprises and Organizations—Professors Deibler, Howard, Mr. Hammett, Professors Terry, Longwell, Mr. Woodburn.

Appointments—Professors Atwell, Baillot, Wilson.

Intercollegiate Debate and Oratory—Professors Harris, Hotchkiss, Mr. Burrill, Mr. Persons.

Interscholastic Declamations—Professor Flickinger, Mr. Elmquist, Mr. Stevens, Mr. Burrill, Mr. Lardner.

Health of Students—Professors Ewer, Gillesby, Miss Potter, Mr. Roloff, Miss Arnold.

Residences for Women—Professors W. D. Scott, Edward, Miss Potter, Miss Skinner.

Residences for Men—Professors Hatfield, Edward, Mansfield.

Rhodes Scholarships—Professors J. A. Scott, Anderson, Dr. Brooks.

Summer Courses—Dr. Gault, Professors Tatnall, de Salvio, Dr. Snyder, Dr. Lewis.

Public Functions—Professors Long, W. D. Scott, Hines, de Salvio, Terry, Dr. Snyder, Mr. Curtiss, Mr. West.

Requirements for Admission

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must qualify by examination or by certificate on fifteen units of high school work. The unit is a course of study requiring a daily recitation on a prepared topic for a full school year, and covering in the various subjects the work defined in the paragraphs below.

A candidate may be admitted to college as a regular student at the beginning of the year with not more than two units of condition, but all entrance conditions must be made up during the first year of residence. No certificate for entrance credit will be accepted nor examination allowed after the expiration of one year.

EXAMINATIONS FOR ADMISSION

Regular examinations for admission to the College of Liberal Arts are held on the first Monday and Tuesday of the college year. The dates for the year 1911 are September 25 and 26. Candidates may be examined and admitted at other times if prepared to enter classes at an advanced point in the regular courses, but they are advised to enter at the beginning of the college year. Applications for examinations must be made to the Registrar at least one week before the beginning of the college year.

The Board of Examiners will accept, in lieu of its own examinations, those conducted by the College Entrance Examination Board. This Board holds examinations in June in Northwestern University Building, Chicago.

ADMISSION BY CERTIFICATE

Students from an accredited academy or high school may be admitted to college on certificate without examination, provided they present themselves for admission not later than a year and three months after graduation. In case the preparation of a student admitted on certificate is found in the first semester to be unsatisfactory, he will be required to complete his preparation in a fitting-school or in such other way as may be determined.

Blank forms for certificates may be had on application to the Registrar, and should be returned to him, properly filled out, at least one week before the opening of the college year.

SUBJECTS WHICH MAY BE PRESENTED FOR ADMISSION CREDIT

The subjects which may be presented for admission credit and the number of units acceptable in each are shown in the following table. English, three units; algebra, one and a half units; and plane geometry, one unit, are required for all candidates. A choice is allowed in the selection of other subjects, but at least four units of foreign languages must be presented. These may be four units of Latin, or three units of one language and one unit of another, or two units of each of two languages. A single unit of any language will be accepted only when accompanied by at least three units of some other language or two units of each of two others. The remaining work may be selected at will from the subjects below.

The first three subjects are required of all candidates.

English	3	units
Algebra	1½	units
Plane Geometry	1	unit
Latin	2, 3, or 4	units
Greek	2 or 3	units
French	2 or 3	units
German	2 or 3	units
Spanish	2	units
Advanced Algebra	½	unit
Plane Trigonometry	½	unit
Solid Geometry	½	unit
Physiography	1	unit
Physics	1	unit
Botany	1	unit
Zoölogy	1	unit
Chemistry	1	unit
Ancient History	1	unit
Mediaeval and Modern History	1	unit
English History	1	unit
American History (or with Civil Government)	1	unit
Civil Government	½	unit
Political Economy	½	unit
Commercial Geography	½	unit
Commercial Law	½	unit
Physiology	½	unit
Subjects not specified	2	units

Under the heading "subjects not specified," such topics as manual training, domestic science, mechanical drawing, etc., may be presented at the discretion of the Board of Examiners. Subjects enumerated above as

full units may be presented as half units, or they may be presented in excess of the amounts stated only as "subjects not specified," and such credit is thus limited to two units.

DEFINITIONS OF UNITS

GROUP A

The subjects in this group are required of all candidates.

1. *English*—The character and amount of preparation required is indicated in the program which follows, but the arrangement of the work is not prescribed. It is expected that the English work will be distributed over four years of the secondary school course. *Three units.*

(*a*) *Language*—Spelling, punctuation, grammar, paragraphing, the fundamental principles of rhetoric, reading, practice in writing compositions based on the student's personal experience. At least eight exercises of not less than three hundred words each are required. Descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted.

(*b*) *Literature*—The following books are to be read. The student should acquire a knowledge of the subject-matter and of the main facts in the lives of the authors, and should practice writing short compositions on subjects drawn from the reading. 1911-1912:—

I. Two to be selected from: Shakespeare's As You Like It, Henry V, Julius Caesar, The Merchant of Venice, Twelfth Night.

II. One to be selected from: Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

III. One to be selected from: Chaucer's Prologue; Selections from Spenser's Faerie Queen; Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury, First Series, Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns.

IV. Two to be selected from: Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe and Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs Gaskell's Cranford; Dickens' A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

V. Two to be selected from Irving's Sketch Book; Irving's Life of Goldsmith; Lamb's Essays of Elia; DeQuincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays; Ruskin's Sesame and Lilies.

VI. Two to be selected from: Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and the Prisoner of Chillon; Palgrave's Golden Treasury, First Series, Book IV, with special attention

to Wordsworth, Keats, and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

(*c*) *Literature*—The student is expected to make a thorough study of each of the works named below, accompanied by practice in composition. 1911-1912:—

Shakespeare's Macbeth; Milton's Comus, L'Allegro and Il Penseroso; Burke's Speech on Conciliation with America, or Macaulay's Life of Johnson.

2. *Mathematics*—It is recommended that the work in Mathematics be extended over at least three years of the high school course, and especially that work be given in this subject in the last year. A good arrangement is as follows: first year, five hours a week, algebra; second year, five hours a week, plane geometry; fourth year, five hours a week for the first half-year, solid geometry; second half-year, algebra.

(*a*) *Algebra*—Factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution, theory of exponents, and radicals. Special attention should be given to the statement of problems in the form of equations. *One unit.*

(*b*) *Algebra*—A review of the previous work and a thorough study of radicals, equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved as quadratics. *One half unit.*

(*c*) *Plane Geometry*—A course equivalent to that contained in Holgate's Geometry, with the solution of a large number of exercises and numerical problems. *One unit.*

GROUP B

Foreign Languages—Candidates must present four units of Foreign Languages and are advised to present at least two units of credit in Latin. A single unit of a foreign language will be accepted for entrance credit only when accompanied by at least three units of some other language or two units of each of two others.

6. *Greek* (*a*)—Grammar, White's First Greek Book, or an equivalent. *One unit.*

7. *Greek* (*b*)—Xenophon's Anabasis, Books I, II, and III; Jones' Greek Prose Composition, or an equivalent, thirty lessons. *One unit.*

8. *Greek* (*c*)—Anabasis Book IV; Prose Composition, lessons thirty to forty; Homer, Iliad, or Odyssey, 1,800 lines. *One unit.*

9. *Latin* (*a*)—Grammar; Cæsar's Gallic War, ten pages, or twenty pages of Viri Romæ, with retranslation of English into Latin. *One unit.*

10. *Latin* (*b*)—Cæsar's Gallic War, four Books, completed; Latin Composition. *One unit.*

11. *Latin* (*c*)—Cicero, six orations, including the Manilian Law; Latin Composition. *One unit.*

12. *Latin* (*d*)—Virgil, six books of the Aeneid. It is desired that the student's acquaintance with Virgil be not limited to the requirement. By private reading, and by sight reading in class, the Bucolics and a considerable portion of the Aeneid may with advantage be added to the amount prescribed. *One unit.*

13. *French* (*a*)—Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred and fifty to two hundred pages of easy French prose. *One unit.*

14. *French* (*b*)—Elementary grammar completed; easy composition, based on one of the works read; the reading of two hundred and fifty to three hundred pages of French prose. *One unit.*

15. *French* (*c*)—Study of the difficulties of French syntax and idioms; translation into French from text-book and easy original compositions; the reading of not less than six hundred pages of at least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *One unit.*

16. *German* (*a*)—Pronunciation; the memorizing of easy colloquial sentences; the rudiments of grammar, inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions; the simpler uses of modal auxiliaries and the elementary rules of syntax and word-order; abundant easy exercises; the reading of from seventy-five to one hundred pages of graduated texts. *One unit.*

17. *German* (*b*)—The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based on works read; continued drill upon rudiments of grammar. *One unit.*

18. *German* (*c*)—The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; grammatical drill on the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *One unit.*

19. *Spanish* (*a*)—Correct pronunciation; the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs; sufficient translation from English into Spanish to illustrate the principles of grammar; the reading of from one hundred and fifty to two hundred duo-decimo pages of graduated texts. *One unit.*

20. *Spanish* (*b*)—Continued study of grammar and syntax; mastery of the irregular verbs and the use of modes and tenses; advanced composition; the reading of from three hundred to four hundred pages of modern prose from different authors illustrating the tendencies of modern Spanish literature; a unified knowledge of Spanish literature of the nineteenth century. *One unit.*

GROUP C

The following subjects may be presented for elective credit to complete the requirement of fifteen units.

21. *Mathematics* (*a*)—Algebra, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series. *One-half unit.*

(*b*) *Plane Trigonometry*, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions and ability to verify numerical computations are expected. *One-half unit.*

(*c*) *Solid Geometry*, a course equivalent to that contained in Holgate's Elementary Geometry, including numerous exercises and problems. *One-half unit.*

22. *Physiography*—The earth as a planet, the atmosphere, the climate, the ocean, and the land. Emphasis should be placed especially on the topographic features of the land, their origin and significance. Some recent text-book should form the basis for the course, and it should be supplemented by laboratory work. *One unit.*

23. *Physics*—A course equivalent to that contained in Millikan and Gale's First Course in Physics. The candidate must present evidence of familiarity with the general principles of physical science, especially the simpler principles and phenomena which are constantly illustrated in daily life, such as the pendulum, hydrostatics, water waves, pitch and intensity of sound, heat conduction, boiling, freezing, simple lenses, mirrors, prisms, magnets, lines of force, voltaic cells, galvanometers. It is also required that a course of laboratory work shall have been pursued in connection with the text-book, equivalent to at least forty exercises from Crew and Tatnall's Laboratory Manual of Physics, and that accurate notes descriptive of the experiments shall have been kept. *One unit.*

24. *Botany*—The study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by two hours of laboratory work. Atkinson's Lessons in Botany and Bergen's Foundations of Botany are satisfactory texts. Each pupil should perform the experiments and demonstrations for himself and should keep a neat and accurate notebook showing the work done and the conclusions reached. *One unit.*

25. *Zoölogy*—The study for one year of animal structure, habits, and general life history by the laboratory method under a competent teacher will be accepted as a full unit of credit. Linville and Kelley's Text-Book on General Zoölogy, Kellogg's Elementary Zoölogy, and Animal Studies by Jordan, Kellogg, and Heath are among the text-books approved. Emphasis should be placed on training in observation, in accuracy in drawing, and expression in the note-books. *One unit.*

26. *Chemistry*—Laboratory work should be made an essential feature of the study, and may well take one-half of the total time assignment. Careful and systematic notes of his individual work should be made by the student. Quantitative experiments are recommended both for training and in order to illustrate the fundamental laws. Purely descriptive work should be limited to comparatively few elements and compounds. *One unit.*

27. *Ancient History*—A study of the history of Greece and Rome. West's Ancient History, or Botsford's Greece and Rome, or an equivalent, with supplementary reading. *One unit.*

28. *Mediaeval and Modern European History*—Myers' Mediæval and Modern History, or an equivalent, with supplementary reading. *One unit.*

29. *English History*—A study of the political and constitutional development of England. Larned's English History or an equivalent. *One unit.*

30. *American History*—Channing's Students' History of the United States, or an equivalent. *One unit*, or with Civil Government, *one unit.*

31. *Civil Government*—James and Sanford's Government in State and Nation, or an equivalent. *One-half unit.*

32. *Political Economy*—Thurston's Economics and Industrial History, or an equivalent. *One-half unit.*

33. *Commercial Geography*—A comparative study of the resources, transportation facilities, and general commercial advantages of the nations of the world, particularly of the United States and America as a whole; the effect on production and commerce of surface, soil and climate, race, religion, education and commercial policies, means of transportation and communication, and general economic forces. This course should be preceded by Physical Geography. *One-half unit.*

34. *Commercial Law*—Legal principles governing contracts, sales, bills, notes, interest and ursury, agency, partnership, corporations, leases, property ownership, deeds, mortgages, liens, attachments, surety and guarantyship, bailments, common carriers, banking, fire insurance; practice in drawing all the commoner kinds of legal papers. *One-half unit.*

35. *Physiology*—A detailed study of the structure and composition of the human body, the physiology of cells and the various tissues, fluids. nervous systems, organs of special sense, etc.; laboratory work in dissection

of specimens and practice in making drawings; nutrition and growth; personal hygiene and sanitation. *One-half unit.*

ADMISSION AS SPECIAL STUDENTS

On the recommendation of the Committee on Registration and Special Students, persons of serious purpose and mature years may be admitted to college as special students to pursue selected studies. Applications for such admission must be accompanied by evidence of qualification to carry on the proposed work to advantage, but no persons will be so admitted for courses which might be pursued in a secondary school. In general, special students are expected to meet the full entrance requirements.

ADVANCED STANDING

Students from other colleges seeking admission to this college must present evidence of honorable dismissal from the institution last attended and must present certificates showing (1) a full record of the applicant's preparation for college, (2) his college record subject by subject with the grade obtained in each subject and the year of the course in which it was taken. He should submit a catalogue of his college bearing his name and of the issue current at the time of his admission to that college. Students from other colleges must first meet the entrance requirements to this College, after which the amount of advanced credit to be obtained by certificate will be estimated by a committee of the Faculty, but not finally placed to his credit till the student has been in residence in this college for one semester. Advanced credit without examination will be given only for work done in an approved college. Claims for advanced credit must be made during the first year of residence and not later than September of the collegiate year in which the candidate expects to graduate.

College credit for work done in a secondary school in excess of the requirements for admission, can be given only on examination provided through the Registrar's office, and on the basis of five semester hours of credit for one unit of work. An exception to the examination rule is made in foreign language subjects continued in college during the first year, where the subsequent work is a sufficient test of the quality of earlier work. Applications for such credit and for examinations must be made to the Registrar during the first semester of residence and the examinations must be taken at one of the regular dates set; viz.: the Wednesday of the opening week in September, the Saturday following the regular examinations in February, or the Monday following Easter. Advanced credit can be allowed only in mathematics, foreign languages, or such other subjects taken in the last year of the secondary school course as may be approved by the Committee on Advanced Standing. No examination for advanced

credit will be allowed after the first year of residence nor in subjects foreign to the college curriculum.

ACCREDITED SCHOOLS

High schools and academies are placed on the accredited list of the University by action of the Faculty, upon the recommendation of the Committee on Accredited Schools. This relation implies that the certificates of the school properly attested will be accepted at their face value toward meeting the requirements for admission. Graduation from an accredited school is not in itself sufficient evidence of qualification for admission.

Superintendents or principals desiring to have their schools placed on the accredited list should make application to the Chairman of the Committee on Accredited Schools, who will provide for a proper inspection. The letter of application should give the names of all teachers, with a statement of their preparation and of their experience as teachers; a careful statement of the methods pursued in teaching mathematics, languages, and sciences; the amount and kind of scientific apparatus and the library facilities accessible to students. The letter should be accompanied by the latest printed catalogue or annual report of the school, containing an outline of the course of study and a list of the text-books used.

The schools which are placed on the accredited list will continue to be accredited for three years, unless the Faculty within this period becomes satisfied that changes have occurred making further inspection desirable.

Undergraduate Studies

The courses of study offered in the College of Liberal Arts are listed under the several department headings beginning on page 79. They are for the most part elective, but certain courses shown in the schedules below are required of all candidates for a degree.

The prescribed courses are intended to secure to the student breadth of culture and to bring him into contact with the main divisions of modern study. To prevent him from scattering his energies unduly, on the other hand, and to ensure a fair degree of continuity in at least one department and to a less degree also in a second, the student is required at a date not later than the beginning of the third year of residence, to announce a department in which he proposes to do major work, and a department in which he will do minor work. The courses constituting a major and a minor in the several departments are stated under the department headings in the descriptions of courses.

Students are advised to give careful thought to the plan of their elective work and to the selection of their major subject as early as the beginning of the second year.

The credit assigned to a course is expressed in hours, an hour of credit being given for the satisfactory completion of work requiring one class exercise a week for one semester. As a condition of graduation, a student must complete one hundred and twenty semester hours of work, including the prescribed courses,—this being the equivalent of fifteen class exercises a week for four years.

In making up his program of studies for any year the student must give precedence to prescribed courses and in the order in which they are designated in the schedules. Except by special permission of the Committee on Registration, he must take in addition to the prescribed courses for which he is due, elective work sufficient to make a total of fifteen class exercises a week.

COURSES FOR FIRST YEAR STUDENTS

First year students are required to register for English Language, mathematics, one foreign language, and a second foreign language or a science. Elective studies, if any, must be confined to the following list of courses, with the provision, however, that a student properly qualified may enter a more advanced course in one of the departments named.

Biblical Literature A
Botany A
Chemistry A
Elocution A
English Language A
French AA, AB, and A
Geology A2
German AA, AB, and A
Greek AA, AB, and A
History A, E, and H
Latin A
Mathematics A1, A2, A3, A4, and A5
Physical Culture A
Physics A
Zoölogy A

First year students are required to take physical exercise three hours a week under the direction of the department of Physical Training.

FACULTY ADVISERS

Each undergraduate student on entering College is assigned to a member of the Faculty who is to act as his adviser and give him helpful counsel relating to his college life. At the beginning of the third year when the student makes choice of the department in which he will do major work, the instructor under whom he takes his principal courses becomes his adviser and should be consulted freely on all matters relating to subsequent registrations. The student is required to submit his choice of studies for each year to his adviser and obtain approval of the same before completing his registration; all changes in registration during the year must likewise receive the adviser's approval.

Courses Prescribed for the Degree of Bachelor of Arts

I.	Mathematics A1 (See note below)	3 hours	1st year
II.	English Language A.....	3 hours	1st year
III.	Two of the following, of which one must be chosen from the first two named: Latin A, Greek A, French A, German A..... each [*Note*—If French or German is chosen, one course in that language as advanced as Course A must be taken in college.]	3 hours	1st year
IV.	English Literature A.....	2 hours	2nd year
V.	One of the following: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A1, A2, or A3, Astronomy A1 and A2.....	4 hours	2nd year
VI.	One of the following: History A, E, H, or BC, Economics A, Philosophy A1 and A2, Psychology A1 and A2..	3 hours	2nd year

Note—Mathematics A3, five hours, may be substituted for Mathematics A1. Students who complete an ancient language course enumerated in Sect. III. above, or a science course enumerated in Sect. V. above, in addition to the courses required, are released from Mathematics A1.

Courses Prescribed for the Degree of Bachelor of Science

I.	Mathematics A1..... [*Note*—Mathematics A3, five hours, may be substituted for this course.]	3 hours	1st year
II.	English Language A.....	3 hours	1st year
III.	French A and German A. (See note below).....each	3 hours	1st or 2nd year
IV.	English Literature A.....	2 hours	2nd year
V.	Two of the following: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A1, A2, or A3, Astronomy A1 and A2..... each	4 hours	1st or 2nd year
VI.	One of the following: History A, E, H, or BC, Economics A, Philosophy A1 and A2, Psychology A1 and A2..	3 hours	2nd year

Note—If French or German is presented for admission, the requirement of college courses is reduced accordingly, except that in all cases a course as advanced as Course A in at least one of these languages must be taken in College. Candidates who present two units of Latin or two units of Greek for admission may omit in College the A-course in either French or German; and candidates who present three units of Latin or three units of Greek for admission may omit in College both the A-course and the AA-course in either French or German, but not in both.

Courses of Instruction

The following pages give the list of courses offered in the College of Liberal Arts for the year 1910-1911. For completeness, courses offered in alternate years are included, with a note to indicate in which years they are given.

The courses in the various departments are divided into four groups: (1) those which may be entered without prerequisite in the department; (2) those which may be taken only after or concurrently with an introductory course, or after the completion of approximately sixty hours of credit; (3) those which may be taken only after or concurrently with a course of the second group, or after the completion of approximately ninety hours of credit; (4) those which may be taken only after or concurrently with a course of the third group.

The number of semester hours of credit which a course bears toward meeting the requirement for graduation is indicated in general by the number of class exercises a week for each semester, two hours of laboratory work counting as one hour of credit. Exceptions to this are indicated in the descriptions of courses. A course not elected in any year by as many as five persons may be withdrawn at the option of the Faculty.

Astronomy

PROFESSOR FOX

A1. *Descriptive Astronomy*—A general course in Astronomy. Open to students who have a credit of thirty semester hours, including Mathematics A1 or A3. First semester. Mon., Wed., Fri., 2; one night a week at the Observatory.

A2. *Spherical and Practical Astronomy*—A study of the elements of practical astronomy, its problems and the methods of solution. Practice in observing and in the reduction of observations. Open to students who have completed Course A1. Second semester. Mon., Wed., Fri., 2. Observational work at the Observatory.

C1. *Astrophysics*—A lecture course on the methods and results of the application of physical instruments, the spectroscope, photometer, bolometer, etc., in astronomy. Prerequisite, Course A1 and Physics B2. First Semester, Mon., Wed., Fri., 3.

C2. *Introduction to Celestial Mechanics*—Prerequisites, Mathematics B1 and Physics B1. Second semester. Mon., Wed., Fri., 3.

Biblical Literature

PROFESSOR PATTEN

MAJOR: Course A and seven additional year-hours, including Course E. MINOR: Course A and four additional year-hours.

A. *Introduction to the Study of the English Bible*—First semester—Transmission of the text; genuineness; authenticity; canon. Reading of selected books of the Bible, with geographical and historical background. The evolution of the English Bible with study of the great English versions. Lectures, required readings. Text: American Revision. Second semester—The Bible and English Literature. The English of the Bible. The English Bible as Literature. Lectures. Text: American Revision and Moulton's Modern Reader's Bible. Open to all students. Mon., Wed., Fri., 2. Professor Patten.

B. *The Kingdom of God*—A survey of the "Kingdom of God" in its evolution throughout the Old and New Testaments. First semester—The kingdom of God as set forth in the prophetic ideals. Second semester—The kingdom as presented in the sayings of Jesus and in the Apostolic Period. Lectures and required readings. Open to students who have completed or are taking Course A, or have sixty hours of credit. Tu., Th. 2. Professor Patten.

C. *The Beginnings of Christianity*—First semester—Inductive study of the Acts of the Apostles, with the historical background of the primitive church. Text: American Revised Bible, Cambridge Bible. Second semester—The Organization and Spread of Primitive Christianity as illustrated in the Apostolic Letters. Selected Epistles. Text: American Revised Bible, Cambridge Bible. Open to students who have completed Course A or have sixty hours of credit. Given in alternate years with Course F. Not given in 1910-11. Tu., Th., 11. Professor Patten.

D. *Christianity and other Religions*—First semester—A survey and comparison of the principal religions of the world in their rise and development. Text-book with assigned readings and papers. Second semester—Special study of the individual ethnic religions, with emphasis upon their relation to Christianity. Lectures and required readings. Open to students who have sixty hours of credit. Given in alternate years with Course G. Not given in 1910–11. Tu., Th., 3. Professor Patten.

F. *Christian Missions*—First semester—The history of missions. Second semester—Relation of missions to world movements and to the problems of the great cities. Text, lectures and required readings. Illustrated with maps, screen projections and local visitation. Open to students who have sixty hours of credit. Given in 1910-11 and in alternate years with Course C. Tu., Th., 11. Professor Patten.

G. *Christian Archaeology*—A survey of the life and art of the early church, as seen in the researches of Christian Archaeology, illustrated with screen projections, original impressions from the monuments and the material in the Bennett Museum of Christian Archaeology. First semester—The archaeology of Christian art. Second semester—The archaeology of Christian life. Given in 1910-11 and in alternate years with Course D. Open to students who have sixty hours of credit. Tu., Th., 3. Professor Patten.

E. *The Hebrew Civilization, Rise and Development*—First semester—Patriarchal and pre-exilic periods. Second semester—Exilic and post-exilic periods. This course includes a survey of the biblical history in the Old Testament, the Hebrews and their contemporaries, Babylonians, Egyptians, etc., together with the study of modern archaeological exploration in the Orient. Text and lectures. Open to students who have completed two courses in the department or have ninety hours of credit. Mon., Wed., Fri., 3. Professor Patten.

Botany

PROFESSOR ATWELL, MR. WOODBURN, AND ASSISTANTS

MAJOR: Course A and six additional year-hours, including Course C or Course D. MINOR: Course A and three additional year-hours.

Note—Course A or its equivalent must be completed before any other course in the department is taken. Courses B and C or D, may be taken concurrently. Students preparing for work in forestry should take Courses A, B, and C.

A. *Principles of Botany*—The biology and morphology of typical plants selected from the more important natural groups. Ecology and classification receive attention during the months of October and May. Laboratory and field work with quizzes and informal lectures. Open to all students. Credit not given unless full year course is completed. *Credit, four year-hours.* Lectures, Mon., Fri., 2. Laboratory, Section I, Tu., Th., 8 to 10; Section II, Tu., Th., 10 to 12; Section III, Tu., Th., 2 to 4; Section IV, Wed., Fri., 8 to 10. Professor Atwell, Mr. Woodburn, and assistants.

B. *Seed Plants*—Morphology, distribution, and economic uses of the more prominent plant families. Open to students who have completed Course A. *Credit, three year-hours.* Mon., Wed., Fri., 8 to 10. Professor Atwell.

C. *Algae and Fungi, Liverworts, Mosses, and Ferns*—Comparative morphology of lower plant life. Laboratory work, lectures, field work.

Books of reference are provided. Open to students who have completed Course B, or may be taken concurrently with Course B. *Credit, three year-hours.* Mon., Wed., Fri., 2 to 4. Mr. Woodburn.

D. *Physiology and Ecology of Plants*—First semester—Laboratory experiments in physiology. Second semester—Relation of structure to function, and of plants to their environment. Open to students who have completed Course B, or may be taken concurrently with either Course B or Course C. *Credit, three year-hours.* Mon., Wed., Fri., 10 to 12. Professor Atwell.

E. *Plant Embryology and Development*—(a) Gymnosperms; (b) Angiosperms. An intensive study of three or four forms as a basis for more extensive comparison. Attention is given to both morphological and cytological details. *Credit, three year-hours.* Mon., Wed., Fri., 10 to 12. Mr. Woodburn.

F. *Cytology of Bryophyta*—Special problems in cytological investigations. Open to students who have completed Course C. Hours to be arranged. Mr. Woodburn.

G. *Special Problems in the Development of Seed Plants*—Problems involving original work, assigned to suit the needs of individuals. Open to students who have completed the major requirement. *Credit, three to five year-hours.* Hours to be arranged. Professor Atwell.

Chemistry

PROFESSOR YOUNG, PROFESSOR HINES, AND DR. LEWIS.

MAJOR: Courses A, B, and C. MINOR: Courses A and B.

A. *General Chemistry, Elementary*—Text and laboratory work. Those who have had a course in elementary Chemistry, but not sufficient to qualify for Course B, may, by taking Section II, have the laboratory work modified so as to avoid unnecessary repetition of work already done. Credit is not given unless the full course is completed. Open without prerequisite. *Credit, four year-hours.* Section I, Class-work, Tu., Th., 1:30 to 2:30; laboratory, Tu., Th., 2:30 to 5. Section II, Class-work, Mon., Fri., 1:30 to 2:30; laboratory, Mon., Fri., 2:30 to 4; Wed., 1:30 to 4; or Mon., Fri., 2:30 to 5. Professor Young, Professor Hines, and Dr. Lewis.

B. *Qualitative Analysis*—First semester—Analysis of complex mixtures, accompanied by lectures and quizzes on the theory of solutions, principles of equilibria, mass action, etc.

Organic Chemistry—Second semester—Lectures and quizzes on the hydrocarbons and their derivatives. Laboratory preparation and study of typical

organic compounds. Open to students who have completed Course A or its equivalent. *Credit, four year-hours.* Lectures, Mon., Wed., Fri., 11. Laboratory, Wed., Fri., 1:30 to 4:30. Dr. Lewis.

B3. *Historical Chemistry*—Lectures, required reading, reports, and thesis. Recommended for those expecting to teach Chemistry. Open to students who have completed or are taking Course B. First semester. Mon., Wed., Fri., 10. Professor Hines.

B4. *Household Chemistry*—An elementary course in the chemistry of cooking and domestic sanitation. The simpler chemistry of foods and their relative nutritive values; the "Pure Food Laws." Open to students who have completed Course A or its equivalent. Second semester. Mon., Wed., Fri., 10. Dr. Lewis.

C. *Quantitative Analysis*—First semester, Gravimetric. Second semester, Volumetric. This course familiarizes the student with typical analyses, and lays the foundation for all further analytical work. The work will occupy the average student about nine hours a week. Laboratory periods of two or more consecutive hours must be arranged with the instructor. Open to students who have completed Course B. *Credit, three year-hours.* Lectures, Tu., Th., 11. Laboratory, seven or more hours a week, to be arranged. Professor Hines.

C3. *Physiological Chemistry*—Preparation and reactions of primary cell constituents. The physical and chemical properties of the three food types: fats, carbohydrates, and proteids. The chemistry of digestion, the isolation of some constituents of tissue. Open to students who have completed Course B. First semester. Lectures, Tu., Th., 9. Laboratory Tu., Th., 1:30 to 4:30. Dr. Lewis.

C4. *Industrial Chemistry*—Lectures on the processes of the chemical arts and industries, including fuels, acid and alkali manufacture, glass, explosives, sugar making and refining, petroleum, iron and steel, and metallurgy. Open to students who have completed Course B. Second semester Tu., Th., Sat., 9. Professor Hines.

E. *Advanced Course in General Chemistry* (*Physical Chemistry*)—A course of reading on somewhat advanced topics, based on Ostwald's *Outlines of General Chemistry.* Credit is not given unless the year course is completed. Prerequisite, Course B. Wed., Fri., 9. Professor Young.

D. *Sanitary Analysis*—Examination of water, both chemical and bacteriological, analysis of typical food-stuffs, including milk, butter, cheese, syrups, honeys, spices, edible oils and extracts. Open to students who have completed Course C. *Credit, three year-hours.* Lectures, Tu., Th., 10. Laboratory hours, to be arranged. Dr. Lewis.

D7. *Advanced Organic Chemistry*—The history of some of the greater researches, as those on the sugars, dyes, alkaloids, diazo-compounds, benzine-ring, etc., is reviewed and the chemistry of these substances is studied in detail. Open to students who have completed Course C. Lectures, Tu., Th., Sat., 8. Dr. Lewis.

D9. *Organic Preparations*—A laboratory course in the preparation of the more complex organic compounds. Open to students who have completed Course C. *Credit, three year-hours.* Laboratory hours, to be arranged. Dr. Lewis.

D3. *Advanced Analytical Chemistry*—Selected topics from the following: (a) Qualitative analysis of commercial products and of substances more complex than those analyzed in Course B; (b) Quantitative analysis. Special methods for analysis of technical materials, ores, etc. Open to students who have completed Course C. *Credit, three year-hours.* Laboratory hours, to be arranged, Professor Hines and Dr. Lewis.

D5. *Gas Analysis*—Open to students who have completed Course C. *Credit, three semester hours.* First semester. Lectures, Mon., Wed., or Fri., 8. Laboratory hours, seven or more, to be arranged. Professor Hines.

D6. *Iron and Steel Analysis*—Open to students who have completed Course C. *Credit, three semester hours.* Second semester. Lectures, Mon., Wed., or Fri., 8. Laboratory hours, seven or more, to be arranged. Professor Hines.

E2. *Topics of Investigation*—Problems involving original research in inorganic or organic chemistry. Open to graduate students. The consent of the instructor is required before registering for this course. Laboratory hours and credit at the option of the instructor.

Economics, Finance, and Administration

PROFESSOR DEIBLER, PROFESSOR HOTCHKISS, PROFESSOR HOWARD, AND MR. PERSONS.

MAJOR: Course A and seven additional year-hours, which must include at least two year-hours more advanced than the courses of the B-group. MINOR: Course A and three additional year-hours.

A. *The Elements of Economics*—An elementary course in the principles of economics. The first semester is devoted to an examination of the fundamental principles of economics. In the second semester these principles are applied to practical problems. Throughout the course special attention is given to the relation between theory and practice. Open to students who have thirty semester-hours of credit. Mon., Wed., Fri., 9, 10; Tu., Th., Sat., 8. Professor Deibler, Professor Howard, and Mr. Persons.

B1. *Economic History*—In the first semester this course will present the general outlines of the economic history of England. The second semester will be devoted to the study of the economic history of the United States, with due emphasis on present economic problems. Open to students who have completed Course A. Mon., Wed., Fri., 2. Mr. Persons.

B2. *The Labor Question in Europe and America*—The economic and social conditions of the working classes in Europe and the United States. Factory legislation. Growth of labor organizations; strikes and lock-outs; the open and the closed shop; collective bargaining; state regulation of labor disputes, recent laws and judicial decisions. Open to students who have completed Course A. Mon., Wed., Fri., 8. Professor Deibler.

B3. *Transportation*—The historical development of transportation in the United States; railway organization, management, consolidation and control; railway finance and rate making; state and federal legislation; the work of the Interstate Commerce Commission. Johnson's American Railway Transportation and Ripley's Railway Problems. Open to students who have completed Course A. Mon., Wed., Fri., 9. Mr. Persons.

B4. *Sociology, Socialism, and Social Reform*—The general principles of social evolution and progress, with particular reference to social laws. A critical study of the principles of socialism and the socialistic movement. The single tax, co-operation and profit-sharing. Text-books, assigned readings and discussions. Open to students who have completed Course A. Tu., Th., 11. Professor Deibler.

B5. *Present Day Social Problems*—Social problems of the present day, characteristic of congested industrial centers. Poverty, its causes and effects; the sphere of the state and of private individuals and organizations in promoting wholesome social conditions; the interpretation of activities for social betterment with reference to standards of social justice. Prerequisite, Course A, or sixty hours of credit, including one course in either Philosophy or History. Tu., Th., 3. Professor Hotchkiss.

B6. *Administration*—Comparative administrative law and practice designed to familiarize the student with the actual working of administrative machinery in the leading modern states; municipal government and administration. Text: Ashley's Local and Central Government; other books to be announced. Tu., Th., Sat., 9. Not given in 1910-1911. Professor Hotchkiss.

B7. *Resources and Foreign Trade of the United States*—Resources as the basis of industrial development. Comparison between the resources of the United States and those of foreign countries. Methods and processes by which different resources have been developed. Restoration, conservation, and economical utilization of resources. Distribution of population in relation to resources and to the development of industries and markets. Open to students who have completed Course A. Tu., Th., 9, and a third hour, to be arranged. Professor Hotchkiss.

B8. *Social and Economic Field Work*—Students in the department who have completed Course A will be permitted, at the discretion of the instructor, to investigate and report upon certain social and industrial institutions in the neighborhood of Chicago. Work of this nature to receive credit must be additional to the work required for special reports in other courses. Time to be arranged. Professor Deibler and other members of the department.

C1. *Relation of Government to Industry.*—History of government regulation. Regulation to stimulate production—the mercantile school, abandonment of mercantilism—*laissez faire.* Decline of *Laissez Faire* School. Regulation to benefit workers and consumers. Regulation and public policy. The police power. Administration of regulative measures. American compared with foreign practice. Regulation by commission. Specific regulative measures. Service functions of government. Open to students who have completed or are taking a B-Course. Tu., Th., 10. Professor Hotchkiss.

C2. *Public Finance and Taxation*—A comparative study of the budget systems in the leading countries. Special attention is given to existing methods of levying and collecting taxes, federal, state, and local; principles of taxation. Text books, assigned readings and discussions. Open to students who have completed or are taking a B-Course, Tu., Th., 9. Not given in 1910-1911. Professor Deibler.

C3. *Money, Banking and Corporation Finance*—Money and instruments of credit; banks and their functions; the currency problem. Legal aspects of corporations. The methods of promotion, capitalization, and underwriting, the various forms of stocks and bonds, their values, methods of marketing through stock exchanges and otherwise. Texts: Howard, Money and Banking; Lough, Corporation Finance. Open to students who have completed or are taking a B-Course. Mon., Wed., Fri., 10. Professor Howard.

C4. *The Distribution of Wealth*—This course gives advanced students an opportunity to make an intensive study of the principles of economics and of their historical development. The course begins with a study of the theory of value and distribution as treated by Adam Smith, Malthus, Ricardo, and Mill. Special attention will be given to the Austrian and Historical Schools, and the course will close with a critical study of modern economic thought. Open to students who have completed or are taking a B-Course. Tu., Th.,9. Mr. Persons.

D. *Seminary*—In this course an extended original investigation upon some specific topic will be undertaken. The thesis prepared in the seminary may be entered in competition for the Harris Prize in Political Science. Undergraduates may not register for more than three hours except by per-

mission of the faculty. *Credit, three to six year-hours.* Open to graduate students and at the discretion of the department, to seniors who have completed three full year courses in economics. Time to be arranged. Professor Deibler, Professor Hotchkiss, Professor Howard, and Mr. Persons.

Education

PROFESSOR FISK AND PROFESSOR LIBBY

MAJOR: Course A, Course J, or Courses B and C, and seven additional year-hours, which must include Course K and either Course D or Course G. MINOR: Course A, Course J, or Courses B and C, and three additional year-hours not taken concurrently with either of these.

Note—Course A is an introductory course and may well precede other courses in the department. Courses B and J, however, do not require this preliminary course.

A. *General History of Education*—The relation of institutional education to the development of civilization and culture; the discussion of pedagogical principles; the intensive study by individual students of the great educators, Plato, Rousseau, Spencer, *et al.* Graves's History of Education Misawa's Modern Educators, Brown's The Making of our Middle Schools and Ziegler's Geschichte der Pädagogik are recommended for reference. This course prepares for the state examinations for supervisors of schools. Open to students who have thirty hours of credit. Mon., Wed., Fri., 3. Professor Libby.

J. *Secondary Education in the United States*—The history of American middle schools, comparison with foreign systems, organization, discipline, curricula, methods, management, hygiene, report of the Committee of Ten, report of the Committee on College Entrance Requirements. Present-day problems. High school visitations with reports, the criticism of text-books, etc. Reading of periodicals. This course prepares directly for the state examination for high school teaching certificates and may be taken in conjunction with Education E. Open to students who have thirty hours of credit. Mon., Wed., Fri., 10. Professor Libby.

B. *Principles of Education*—Lectures, readings, and discussions. Textbooks: Compayré's Lectures on Pedagogy, Horne's Philosophy of Education, Rooper's Apperception, Lange's Apperception, De Garmo's Interest and Education, McMurry's Elements of General Method, Hughes's Securing and Retaining Attention. Open to students who have a credit of sixty hours, and to others by special permission. Second semester: Mon., Wed., 4. Professor Fisk.

C. *School Administration*—Lectures, readings and discussions. Textbooks: Tompkins's Philosophy of School Management, De Garmo's Prin-

ciples of Secondary Education, Roark's Economy in Education, Calderwood's On Teaching. Open to students who have completed Course A or Course B, and to others by special permission. Second semester: Fri., 4. Professor Fisk.

D. *Experimental Pedagogy*—Investigation of the basis of method, the contents of children's minds, fatigue, types of imagination, fidelity of memory, retention and recall. Study of the learning process, by introspection and by observation of others. The research method is employed. The works of Meumann, Claparède, Lay, and Binet are recommended for reference. Open to Juniors and Seniors who have completed Psychology A1. Second semester, Mon., Wed., Fri., 9. Professor Libby.

F. *Practice Teaching under Supervision*—This work is open only to selected students who have taken or are taking one course or more in this department. The aim is to supplement the work offered in Courses A, J, and B with class-room experience. To each student is given entire charge of a class for one or two semesters. One hour of credit is given for every two hours of teaching a week through a semester. Professor Fisk and Professor Libby.

E. *Special Methods*—Lectures, readings, discussions, written reports, high school visitations, demonstrations, examination of text-books, apparatus, etc. Lectures by representatives of departments as follows: History, See History I; Latin, See Latin J, H, and K; Mathematics, See Mathematics B3; Physiography, See Geology A2. Professor Fisk, and the instructors in the several departments.

H. *Educational Psychology*—See department of Psychology, Course B2, page 109.

G. *Adolescence*—Growth in height and weight, growth of the brain and other organs, psychic development, motor education, conversion, adolescent feelings, diseases, crimes, rites, the education of girls, boys' gangs. Hall's Adolescence is used for reference. Members of the class present written reports on monographs. Open to students who have completed two year-courses in Education. Tu., Th., 10. Professor Libby.

K. *Education from the Sociological Point of View*—The school in relation to the family, state, and other social forces; education with reference to philanthropy and to the progress of civilization; the function of the industrial school, evening school, reformatory school, school for defectives, kindergarten, university settlement, and of special institutions. Seminary and lecture methods employed; reading of recent books and periodicals. Open to seniors, graduates, and to other students who have completed two year-courses in Education. First semester. Mon., Wed., Fri., 9. Professor Libby.

Elocution

PROFESSOR CUMNOCK AND MR. LARDNER

A. *First Course*—The regulation of the breath, the use of the body in the development of vocal energy; English phonation; methods of acquiring distinct articulation; the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance; the use of inflection for emphasis and melodious effect; the fundamental principles of gesture and their application. Texts: Russell's Manual of Elocution and Cumnock's Choice Readings. Open to all students. Section I, Tu., Th., 4. Section II, Tu., Th., 2. Mr. Lardner.

B. *Study of Masterpieces of English Eloquence*—Open to students who have completed Course A. Section I, Tu., Th., 8; Section II, Wed., Fri., 8; Mr. Lardner.

C. *Principles of Vocal Expression*—Stress is laid upon the acquisition of good form in common reading and in oratorical address. The written productions are carefully examined; individual advice and criticism. Open to students who have completed Course A. This course is designed for the year of graduation. Mon., Fri., 9. Professor Cumnock.

D. *Bible, Hymn, and Liturgic Reading*—Mon., Fri., 11. Open to students who have completed Course C. Professor Cumnock.

English Language

PROFESSOR CLARK, MR. BURRILL, MR. STEVENS, MR. CURTISS, AND MR BRYAN.

MAJOR: Courses A and B and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D. MINOR: Courses A and B and two additional year-hours.

Course A is required of all students during the first year of residence unless especially excused by the Registration Committee. It must precede all other courses in the department.

A. *Rhetoric; Synonyms; Eight Essays*—First semester—Drill in the elements of good style. Second semester—Rhetorical imagery and synonyms. Students who show, early in the first semester, that they are seriously deficient in elementary English, are required to take additional work for such time as may be found necessary. No credit is given till the whole course, including the additional work, if any, is completed. Mon., Wed., Fri., 8, 8, 9, 9, 10, 10, 11, 11, 11, and 3; Tu., Th., Sat., 8, 8, 9. Professor Clark, Mr. Stevens, Mr. Burrill, Mr. Bryan, Mr. Curtiss.

B. *Prose Masterpieces; Paragraphing*—The diction and the distinctive characteristics of the great writers of prose. After a minute examination

of the style and the diction of a given author, each member of the class writes a theme exemplifying the peculiar merits of the author. Twenty-four prominent prose writers are thus studied during the year. Open to students who have completed Course A. Tu., Th., 9, 10. Professor Clark.

C. *Versification; Poetic Masterpieces*—The mechanics of English versification and the diction and distinctive characteristics of the great poets. Open to students who have completed Course B. Wed., Fri., 9. Professor Clark.

E. *A Course in Criticism*—The characteristics of numerous minor writers. Open to students who have completed Courses A and B. Mon., Wed., Fri., 3. Professor Clark.

F. *Editorial Writing*—Two short articles a week from every member of the class during the college year. Open to students who have completed Course B. Wed., Fri., 10. Professor Clark.

I. *Composition for Public Speaking*—Open to students who have completed Courses A and B. Hours to be arranged. Mr. Burrill.

H. *The Longer Forms of Narration.*—The student analyses short story masterpieces as models and later constructs original stories. Open to graduates and to undergraduates who have completed Courses A, B, and F. Tu., Th., 4. Mr. Burrill.

G. *Biblical English*—The diction, imagery, and idiom of the English Bible. Open to graduate students only. *Credit, three year-hours.* Time to be arranged. Professor Clark.

D. *Old English*—First semester—Bright's Anglo-Saxon Reader. Grammar, reading of prose and easier poetry. Second semester—Beowulf. Old English versification and peculiarities of poetic style. Open to students who have ninety hours of credit and to others by special permission. Mon., Wed., Fri., 2. Mr. Bryan.

K1. *History of the English Language*—A brief presentation of the historical development of Modern English sounds and forms. This course is especially suggested to those expecting to teach English. Open to students who have ninety hours of credit and to others by special permission. First semester. Tu., Th., 2. Mr. Bryan.

K2. *Early Middle English*—Emerson's Middle-English Reader. The dialects of Middle English and their relation to Old English and to modern standard English. Open to students who have completed the first semester of Course D or its equivalent. Second semester. Tu., Th., 2. Mr. Bryan.

English Literature

PROFESSOR BROWN, PROFESSOR PAGE, AND DR. SNYDER

MAJOR: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D. MINOR: Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A.

Note—Course A is prerequisite to all other courses in the department except that Course B, H, or I may be taken concurrently with Course A. Courses A, B, H, and I may not be counted toward advanced degrees.

A. *General View of English Literature*—A general outline of the development of English literature. Lectures, recitations, and a considerable amount of reading. Required of all students in regular courses. All candidates for a degree are expected to take this course in their second year. Course A is prerequisite to all other courses in the department, except that Courses B, H, and I may be taken concurrently with it. *Two year-hours.* Division I., Lecture, Mon. 3; Quiz sections, Tu., 11; Wed., 9, 11; Fri., 10. Division II: Lecture, Tu., 3; Quiz sections, Th., 2, 3; Fri., 11. Professor Brown, Professor Page, Dr. Snyder, and assistants.

B. *General View of American Literature*—First semester—Early American historians; the beginnings of poetry in New England; religious prose—the Mathers, Woolman, Edwards, Franklin; revolutionary verse—Songs and ballads, Trumbull, Barlow, Freneau, Brockden Brown, Irving, Bryant, Cooper, Poe. Second semester—Emerson, Thoreau, Whittier, Webster; poetry of the rebellion, Lincoln, Garrison, Phillips, Longfellow, Holmes, Lowell, Hawthorne, Whitman, Lanier, Sill, Bret Harte, Aldrich. The Literature of America is studied in its relation to that of England, and to the underlying social and political conditions. Open to students who have completed or are taking Course A. Tu., Th., 10. Professor Page.

H. *English Poetry of the Victorian Period*—First semester—Tennyson, Mrs. Browning, Browning, Matthew Arnold, Clough. Second semester—Fitzgerald, the Rossettis, Swinburne, Morris, Kipling, Watson, and other contemporary poets. Open to students who have completed or are taking Course A. Tu., Th., 11. Professor Page.

I. *English Prose of the Victorian Period*—First semester—Carlyle, Newman, Arnold, Ruskin, Pater. Second semester—The English novel since the time of Scott. Lectures on the origin and the history of the English novel; reading of selected works to illustrate this development; extensive reading in Thackeray, Dickens, George Eliot, Hardy, Stevenson, Meredith. Open to students who have completed or are taking Course A. The second semester may be taken without the first. Tu., Th., 8. Dr. Snyder.

C. *Chaucer and Middle-English Literature*—First semester—A detailed study of a large number of the Canterbury Tales. Second semester—This semester may be taken in each of two successive years. 1. Given in 1909-10: The Parlement of Foules, the Legende of Gode Wommen, and so much of the Troilus and Criseyde as time permits. 2. Given in 1910-11: Gower's Confessio Amantis; The Piers Plowman; The Owl and the Nightingale; The Pearl. Open to students who have completed Course A and have taken or are taking either Course B, H or I, or have ninety hours of credit. Mon., Wed., Fri., 9. Professor Brown.

D. *Shakespeare*—First semester—A careful and detailed study of three of Shakespeare's plays; for 1910-1911, Henry V, Hamlet, Antony and Cleopatra; for 1911-1912, Merchant of Venice, Othello, King Lear. This semester's work may be taken in each of two successive years. Second semester—All of Shakespeare's plays are read in chronological order. Lectures on the development of Shakespeare's art and on his relations to preceding and contemporary dramatists. Open to students who have completed Course A and have taken or are taking one of the Courses B, H, or I, or have ninety hours of credit. Mon., Wed., Fri., 11. Professor Brown.

E. *English Literature of the Sixteenth and Seventeenth Centuries*—First semester—Wyatt, Surrey, Gascoigne, Lyly, Sydney, Spenser, Daniel, Drayton, Raleigh, and the Elizabethan Miscellanies. Among topics discussed are: the influence of foreign literary models; the national spirit; the development of blank verse; the lyric and the sonnet; the romance; Euphuism; and literary criticisms in the sixteenth century. Second semester—Donne, Drummond, Wither Carew, Herrick, Suckling, Lovelace, Herbert, Crashaw, Vaughan, Cowley, Waller, Marvell, Milton, and contemporary prose writers. Open to students who have completed Course A, and have taken or are taking Course B or H, or have ninety hours of credit. Mon., Wed., Fri., 2. Given in 1911-1912 and in alternate years. Professor Page.

F. *Eighteenth Century Literature*—First semester—Dryden, Defoe, Addison, Steele, Swift, Pope. Second semester—Johnson, Goldsmith, Richardson, Fielding, Burke, Thomson, Gray, Collins, Cowper, Burns. Among topics discussed are: the transition from the seventeenth to the eighteenth century; the development of prose; political pamphlets; literary periodicals; the development of the novel; literary criticism; classicism in poetry; the beginnings of romanticism. Open to students who have completed Course A and have taken or are taking Course B or H, or have ninety hours of credit. Mon., Wed., Fri., 10. Given in 1910-1911 and in alternate years. Professor Page.

G. *The Romantic Movement*—First semester—Burns, Wordsworth, Coleridge, Southey, Lamb, Jeffrey, Jane Austen. Second semester—Scott, Byron, Keats, Shelley, De Quincey, Hazlitt. Among topics

discussed are: the romantic revolt as a general movement in European literature; the return to nature; the influence of the French revolution; the revolt against artistic conventions; the awakening of interest in the middle ages; the revival of the individual spirit in English literature. Open to students who have completed Course A and have taken or are taking Course B or H or have ninety hours of credit. Tu., Th., 9. Given in 1910-1911. Dr. Snyder.

J. *English Literature for Teachers*—The books prescribed by the College Entrance Examination Board "for study and practice" are thoroughly reviewed. In addition some time is devoted to works selected from the reading list of the College Board. Open to students who have completed or are taking Course C, D, E, F, or G. Second semester. Tu., Th., 10. Dr. Snyder.

K. *The Elizabethan Drama*—First semester—From the Mysteries and Miracle Plays through the Moralities, the Interludes, and the plays of Lyly, Greene, Peele, Kyd, Marlowe to Jonson. Second semester—Through the plays of Jonson, Shakespeare, Dekker, Chapman, Heywood, Beaumont and Fletcher, Middleton, Webster, Tourneur, Ford, Massinger, Shirley, and Davenant to the Restoration. Open to students who have taken or are taking one of the courses C, D, E, F, or G. Mon., Wed., Fri., 11. Given in 1911-1912 and in alternate years. Professor Page.

L. *The Drama from the Restoration to the Present Time*—The development of the drama from the Restoration on the continent and in England. Open to students who have taken or are taking one of the Courses C, D, E, F, or G. Mon., Wed., Fri., 8. Not given in 1910-1911. Professor Page.

M. *Caedmon and Cynewulf*—In this course is read the greater part of the Anglo-Saxon poetry belonging to the time of Cædmon and Cynewulf. Open primarily to graduate students. Not given in 1910-1911. Tu., Th., 2. Professor Brown.

Z. *Seminary*—In 1911-1912 the subject is the English Metrical Romances of the Arthurian Cycle. Each student prepares and reads before the class a series of reports which he afterwards puts into the form of a thesis. Beginning with lectures on the characteristics of mediaeval romance, the work of the course is centered upon certain English Metrical Romances of the Arthurian Cycle. Celtic literature is considered and its influence upon mediaeval romance is especially studied. Open to graduate students only. *Credit three year-hours.* Time to be arranged. Professor Brown.

CELTIC

Q. *Old-Irish*—Strachan, Old-Irish Paradigms and selections from the Old-Irish Glosses; Strachan, Stories from the Táin. For graduate students, Tu., 4. Professor Brown.

French

See Romance Languages and Literatures, page 111.

Geology

(Including Geography, Assaying, Metallurgy, Mining)

PROFESSOR GRANT, PROFESSOR MANSFIELD, MR. COGHILL, MR. ELLIS AND MR. TROXELL.

MAJOR: Course A1 or A2 and six additional year-hours, which must include one of the C-courses. MINOR: Course A1, A2, or A3, and two year-hours not taken concurrently with these courses.

A1. *General Geology*—A general introduction to Geology. Open to students who have thirty hours of credit and have completed in college or in high school a year-course in Chemistry. *Credit, four year-hours.* Mon., Wed., Fri., 10. Laboratory hours Tu., Th., 9 or 10. Professor Grant and Mr. Troxell.

A2. *Geography*—An introductory course in earth science. Students who plan to teach geography in secondary schools should take this course. First semester—The earth as a globe, the atmosphere, the oceans. Second semester—Physiography of the lands, summary of the geography of the continents. Open to all students. The second semester may be taken without the first. *Credit, four year-hours.* Tu., Wed., Th., 2. Laboratory hours, Mon., or Fri., 2. Professor Mansfield.

A3. *Mineralogy*—Crystallography, blowpipe analysis, determinative mineralogy of the rock-forming minerals and the common ores. Open to students who have thirty hours of credit and have completed in college or in high school a year-course in Chemistry. *Credit, four year-hours.* Tu., Th., 9. Laboratory hours to be arranged in the forenoons. Mr. Ellis.

B1. *Geological and Topographical Field Work*—Methods of geological and topographical surveys; maps, sections, and reports from actual field work. Most of the work of the semester is in the field, and consists in mapping topographically and geologically selected areas. Open to students who have completed or are taking Course A1, and also to students who have completed Course A2. *Credit, three semester-hours.* Tu., Th., 2. Laboratory hours to be arranged. Second semester only. Professor Grant.

B2. *Advanced Geology and Physiography*—First semester—Advanced general geology, development of the science, some of the larger problems in geology, current investigations. Second semester—Physiographic and general geology of the United States. Open to students who have completed

Course A1 or A2; the second semester may be taken without the first. *Credit, three year-hours.* Tu., Th., 4. Laboratory hours to be arranged. Professor Mansfield.

B4. *Assaying*—Fire assaying of gold, silver, and lead ores; determination of gold in cyanide and chloride solutions. Open to students who have completed or are taking Course A3. *Credit, two year-hours.* Hours to be arranged. This course may be elected as a two-hour course for the year or as a four-hour course for the first semester. Mr. Coghill.

B5. *Metallurgy*—First semester—Fuels, refractory and cementing materials, metallurgy of iron and steel. Second semester—Metallurgy of copper and lead. Open to students who have completed or are taking Course A3. *Credit, two year-hours.* Tu., Th., 8. Mr. Coghill.

B6. *Elements of Mining*—Open to students who have forty-five hours of credit. *Credit, three semester-hours.* Mon., Wed., Fri., 8. Second semester only. Mr. Coghill.

C1. *Economic Geology*—First semester—Metallic mineral resources, especially of the United States. Second semester—Non-metallic mineral resources, especially of the United States. Open to students who have completed Course A1, and have completed or are taking Course A3 or B2; also to students who have completed Courses A2 and A3. *Credit, three year-hours.* Tu., Th., 11. Laboratory hours to be arranged. Not given in 1910-1911. Professor Grant.

C2. *Historical or Glacial Geology*—Open to students who have completed Course A1, or A2, and have completed or are taking Course A3, B1, or B2. *Credit, three semester-hours.* Mon., Wed., 4. Laboratory hours to be arranged. Second semester only. Glacial Geology will be given in 1910–1911, and Historical Geology in 1911–1912. Professor Mansfield.

C3. *Petrology*—Optical mineralogy and the determination of minerals by use of the petrographical microscope; a study of the more important rocks. Open to students who have completed Courses A1 and A3 or to students who have completed one of these courses and are taking the other. *Credit, four year-hours.* Mon., Wed., Fri., 11. Laboratory hours to be arranged. Professor Grant.

C4. *Metallurgy*—Metallurgy of zinc, gold and silver. Open to students who have completed Course B5. *Credit, two year-hours.* Hours to be arranged. Mr. Coghill.

D. *Courses Primarily for Graduates*—Advanced Petrology; advanced Geography; Pre-Cambrian Geology; Research work. Credit and time to be arranged. Professor Grant and Professor Mansfield.

German Language and Literature

PROFESSOR HATFIELD, PROFESSOR CURME, PROFESSOR EDWARD, MR. BERNSTORFF, MR. ROLOFF AND MR. WARNER.

MAJOR: Courses A and B and six additional year-hours, which must include Course D. MINOR: Courses A and B.

AA. *Elementary German*—Pronunciation, grammar, selections in prose and verse, German composition. Credit will not be given unless the full course is completed. Mon., Tu., Wed., Th., Fri., 8, 10. Mr. Bernstorff, Mr. Roloff, and Mr. Warner.

AB. *Supplementary German*—Reading of simple literature, translation into German, grammatical drill. Open to students who present one unit of German in their four units of foreign languages for admission. Mon., Wed., Fri., 11. Professor Edward.

A. *Intermediate German*—Sections I, III, IV—Modern Prose writers, Storm, Freytag, Seidel, Ernst, etc. German lyrics and ballads, Goethe's Hermann und Dorothea. Sections II, V, VI—Lessing's Minna von Barnhelm, German lyrics and ballads, Schiller's Wilhelm Tell and Maria Stuart, Goethe's Hermann und Dorothea. Open to students who have completed Course AA, or its equivalent. Mon., Wed., Fri., 9, 9, 10, 10, 11; Tu., Th., Sat., 8. Professor Curme, Professor Edward, Mr. Bernstorff, and Mr. Roloff.

G. *Colloquial German*—Mosher's Wilkommen in Deutschland, Kron's German Daily Life, and other material. Open to students who have completed Course AA, or its equivalent. One year-hour. Tu., Th., 9. Professor Edward.

I. *Intermediate German Composition*—Open to students who have completed Course AA or A. Tu., Th., 10. Mr. Roloff.

B. *Literature connected with the Thirty Years' War*—Schiller's Thirty Years' War and Wallenstein; Freytag's Grosser Krieg and Rittmeister; Scheffel's Trompeter; German themes. German H may be suitably combined with this course. Open to students who have completed German A or its equivalent. If taken a second time with new subject matter, a credit of two hours is given. Mon., Wed., Fri., 8, 11, 3. Professor Hatfield, Professor Curme, Mr. Bernstorff, and Mr. Roloff.

H. *Advanced German Composition*—Von Jagemann's Syntax and Prose Composition; translation of short English stories into German. Open to students who have completed Courses A and I, or their equivalent. Tu., Th., 8. Professor Edward.

J. *Modern German Drama*—Two courses are given in alternate years. They present an outline of German life in the nineteenth century as re-

flected in the drama, exclusive of the classical works of Goethe and Schiller. First half of the century: H. von Kleist, Grillparzer, Raimund, Gutzkow, Hebbel, Otto Ludwig. Second half of the century: Anzengruber, Wildenbruch, Sudermann, Hauptmann, Fulda, Lienhard, Otto Ernst. Open to students who have completed Course B. Tu., Th., 4. Professor Curme.

F. *German Novel and Short Story*—Two courses are given in alternate years. They present an outline of German life in the nineteenth century as reflected in the novel and short story. First half of the century: H. von Kleist, Hauff, Hoffmann, Immermann, Stifter, Grillparzer, Ludwig, C. F. Meyer. Second half of the century: Spielhagen, Storm, Heyse, Raabe, Fontane, Wildenbruch, Sudermann, Frenssen. Open to students who have completed Course B. Courses J and F may be suitably combined. Tu., Th., 3. Professor Edward.

C. *Goethe's Faust*—Conducted in German; both parts of the drama are read; intended for mature students. Open to students who have completed Course B and have sixty hours of credit. Tu., Th., 11. Professor Hatfield.

D. *History of German Literature*—A systematic study of German literature from the earliest times. Priest's History of German Literature and Max Müller's German Classics. Open to students who have completed Course B. Mon., Fri., 3. Professor Hatfield.

K. *Historical Grammar of the German Language*—The historical development of the forms and syntax of the German language; the reading of important literary works of different periods. Texts: Braune's Althochdeutsche Grammatik, and Althochdeutsches Lesebuch, Paul's Mittelhochdeutsche Grammatik, Wright's Historical German Grammar, Hartmann von Aue's Der Arme Heinrich, Curme's Grammar of the German Language as spoken and written today. Open to seniors and graduate students. Mon., Wed., Fri., 4. Professor Curme.

L. *Middle High German Masterpieces*—The reading of masterpieces of the Middle High German period without a formal study of the grammar. The following works are taken up: Zarncke's edition of the Nibelungenlied and Martin's Wolfram's von Eschenbach Parzival and Titurel. Open to students who read modern High German fluently. Tu., Th., 3. Professor Curme.

E. *German Seminary*—First semester—Goethe from 1790 to 1832. Second semester—Schiller's Life and Works. Intended for graduate students; enrollment is at the discretion of the instructor. Suitable original work is brought to publication as opportunity allows. In 1911-1912 the subjects to be treated are: First semester: From Luther to Lessing. Second semester: Heine and Platen. *Credit, two to five year-hours.* Sat., 8:30 to 10. Professor Hatfield.

M. *Social Tendencies in German Literature since* 1848—The main political and social currents of thought as reflected in the literature of this period. For seniors and graduate students. Tu., Th., 2. Mr. Roloff.

S. *Germanic Philology*—First semester—Gothic. Second semester—Old Saxon. See Scandinavian S. Open to seniors and graduate students. *Credit, two to four year-hours.* Mr. Elmquist.

Greek Language and Literature

PROFESSOR SCOTT, PROFESSOR FLICKINGER, AND PROFESSOR ANDERSON

MAJOR: Courses A and B and five additional year-hours. MINOR: Courses A and B.

AA. *Elementary Course*—A beginning course intended for students who enter college without Greek. Credit will not be given unless the full course is completed. Open to all students who have presented four units of foreign languages for admission. Mon., Tu., Wed., Th., Fri., 10. Professor Scott.

AB. *Second Year Course*—Xenophon's Anabasis, Books I, II, III, IV, Thirty Lessons in Greek Composition, Homer's Iliad, three books. Open to students who have completed Course AA, or its equivalent. Mon., Tu., Wed., Th., Fri., 9. Professor Flickinger.

A. *Lysias. Plato's Apology. Homer*—Open to students who have completed Course AB, or who have presented three units of Greek for admission. Mon., Wed., Fri., 11. Professor Scott and Professor Anderson.

K. *Greek and Roman Archaeology*—A general introduction to the artistic remains of the Greeks and Romans from the Minoan age to the time of Hadrian. Architecture, sculpture, vases, and coins. May be counted as one year-hour towards a Greek major. Open to students who have a credit of thirty hours. Tu., Th., 2. Professor Flickinger.

B. *Greek Literature*—Sophocles' Oedipus Rex; Euripides' Alcestis and Medea; Aristophanes' Frogs. Open to students who have completed Course A or its equivalent. Mon., Wed., Fri., 10. Professor Flickinger.

C. *Greek Literature; Advanced Course*—Selections from Lyric Poets. Hesiod, Herodotus, Demosthenes, Lucian, and Sophocles. Open to students who have completed Course B. Tu., Wed., Th., Fri., 9. Professor Scott and Professor Anderson.

G. *Herodotus. Dramatic Poetry*—Open to students who have completed Course C. *Credit, four year-hours.* Time to be arranged. Given in 1911-1912 and in alternate years. Professor Scott.

H. *Homer and Epic Poetry*—Open to students who have completed Course C. *Credit, four year-hours.* Mon., Wed., Fri., 2. Given in 1910-1911 and in alternate years. Professor Scott.

History

(Including Diplomacy and Government)

PROFESSOR JAMES, PROFESSOR WILDE, PROFESSOR HARRIS, PROFESSOR TERRY, DR. LICHTENSTEIN, DR. POOLEY, AND MR. WEST.

MAJOR: Course A, E, or H, and seven additional year-hours, which must include Course K, S, or S1. MINOR: Course A, E, or H, and three additional year-hours, not taken concurrently with A, E, or H.

A. *English History*—English political history from the Anglo-Saxon period to the present day. The development of governmental institutions and of the church receives special attention. Open to all students. Mon., Wed., Fri., 8, 2. Professor Terry.

E. *European History During the Middle Ages*—The transition from the ancient to the mediaeval world; the barbarian invaders and kingdoms; the growth of the Christian church; the feudal system; mediaeval culture; the beginnings of modern states and civilizations. Open to all students. Mon., Wed., Fri., 8, 2. Dr. Pooley.

H. *Elements of Politics*—First semester—American Politics; organization and development of federal, state, and local governments, and political parties in the United States. Second semester—Comparative National Government, comparative analysis of the governments and constitutional law of Germany, France, Austria-Hungary, Italy, Spain, Switzerland, and the British Empire. Open to all students. Mon., Wed., Fri., 10. Mr. West.

B. *English Constitutional History*—The historical development of the English government from the Anglo-Saxon period to the present day. Open to students who have completed Course A. Tu., Th., 11. Not given in 1910-1911. Dr. Pooley.

C. *British Colonial History*—First semester—The British Colonies to the close of the American Revolution. Second semester—British rule in India and Malaysia. Development of Canada, Australia and South Africa. The second semester may be taken without the first. Open to students who have completed Course A, E, or H. Mon., Wed., Fri., 3. Professor Terry.

BC. *American History*—The History of the United States from the Revolution. The formation of the Union, the rise and growth of parties, the influence of westward expansion and of slavery on the political, social,

and industrial life. Open to students who have completed one full year course in the department, or an equivalent, or have sixty hours of credit. Mon., Wed., Fri., 11. Professor James.

D. *Greek and Roman History*—First semester—History of Greece from the earliest times to the Roman conquest. Second semester—Rome from the earliest times to the break-up of the Empire. The second semester may be taken without the first. Open to students who have completed one full year course in the department or have sixty hours of credit. Tu., Th., 9. Dr. Pooley.

F. *Modern European History*—A general course dealing with the important phases of European history during the period 1400-1789. The Renaissance, Reformation, Catholic Reaction, Wars of Religion, Age of Louis XIV., Rise of Russia and Prussia are discussed. Attention is given to the social and cultural as well as to the political development. Open to students who have completed one full year-course, (preferably Course E), in the department. Mon., Wed., Fri., 9. Dr. Pooley.

G. *European History from the French Revolution*—First semester—The causes and events of the French Revolution and the wars of Napoleon. Second semester—The evolution of constitutional government in the states of Europe; revolts of 1820, 1830, and 1848; the unification of Italy and Germany. Open to students who have completed one full year course in the department or have sixty hours of credit. Mon., Wed., Fri., 10. Professor Terry.

HI. *Municipal Government and Political Parties*—First semester—Historical, analytical and comparative study of city governments in Europe and the United States. Special attention to the problems of city government in this country, e. g., home rule, municipal finances, and public service corporations; and consideration of present tendencies. Second semester—Rise and growth of political parties in the United States, theory and practice of party government, comparison with party systems of Europe, evils of party politics, reform and non-partisan movements and attempt at legal control of parties through ballot and election laws and direct primaries. The second semester may be taken without the first. Open to students who have completed Course H. Mon., Wed., Fri., 2. Mr. West.

N. *International Law*—The general principles of the Law of Nations with reference to the relations of states in time of peace and of war, the rights and duties of neutrals; methods employed for the settlement of international difficulties. Open to students who have completed one full year course in the department or have sixty hours of credit. Tu., Th., 11. Professor Harris.

I. *Methods of Teaching History*—Special reference to the work of secondary schools and the bibliography of American History. Open to

students who have completed two full year courses in the department. Tu., 2. Professor James.

J. *Historical Bibliography and Criticism*—Introduction to advanced historical work by reference to the great historical collections and works of mediaeval and modern European history; methods of historical criticism and investigation. Open to students who have completed two full year courses in the department. Th., 2. Dr. Lichtenstein.

K. *European Diplomacy and World Politics in the Nineteenth and Twentieth Centuries*—First semester—The diplomatic relations and important treaties of European states from 1815 to 1878. Special attention is given to "Legitimacy," the diplomacy of Bismarck, Cavour, and Napoleon III; the Dual and Triple Alliance; and the Eastern question. Second semester—World politics from 1878 to the present day. Contemporary international politics with particular reference to imperialism; the colonization and partition of Africa, India, Egypt, and Turkestan; Central Asia and the far East. Open to students who have completed two full year courses in the department; by special permission, to students with ninety hours of credit; and to graduates. Tu., Th., 10. Professor Harris.

S. *History of the West*—The advance of the frontier; the political and industrial development of the West, and its effects upon national development. Open to students who have completed Course BC and one other year course in the department; by special permission, to students with ninety hours of credit; and to graduates. Tu., Th., 3. Professor James.

S1. *Diplomatic History of the United States*—The foreign relations of the United States from the close of the Revolution, commercial treaties following the Revolution, the Monroe Doctrine, the diplomacy of expansion, the relations with the South American republics, the period of the Civil War, interoceanic transportation routes; the United States in the Far East. Open to students who have completed Course BC, and one other year-course in the department; by special permission, to students with ninety hours of credit, and to graduates. Tu., Th., 3. Professor James.

M. *Seminary in American History*—During the year 1910-11 the problems were the diplomacy of Washington's and Adams's administrations, and slavery in the United States. Open to graduate students. *Credit, three year-hours.* Tu., 4-5; Th., 4-6. Professor James.

M1. *Rise of Prussia*—The political, intellectual, and economic development of Prussia and Germany since the time of the Great Elector; age of Frederick the Great; Napoleonic period; the Reaction; the Bismarck era. A reading knowledge of German and French, and the preparation of a thesis are required. Open to graduate students and to students whose major is History and who have completed three full-year courses in the department. *Credit, two year-hours.* Dr. Lichtenstein.

M2. *Seminary in Diplomatic History*—Problems relating to the rise and expansion of Russia are studied during 1910-1911. Open to graduate students and students making a major in History, who have completed three full year-courses in the department. *Credit, two year-hours.* Mon., 3 to 5. Professor Harris.

Italian

See Romance Languages and Literatures, page 111.

Latin Language and Literature

PROFESSOR BONBRIGHT, PROFESSOR LONG, PROFESSOR FLICKINGER, PROFESSOR ANDERSON, AND MR. ELMQUIST.

MAJOR: Courses A, B, and J, with C or D, and E or F. MINOR: Courses A and B.

Students who present for admission to College the full requirement of four units of foreign languages, including three units of Latin, may elect Latin (d), Virgil in the Academy, for four hours of college credit.

A. *Cicero*, De Senectute and De Amicitia; *Livy*, selections amounting to two books; *Terence*, two Plays. Open to students who have presented four units of entrance Latin. Mon., Wed., Fri., 8, 8, 8, 10, 11; Tu., Th., Sat., 9. Professor Long, Professor Flickinger, Professor Anderson, and Mr. Elmquist.

B. *Horace*, Odes, Epodes, and Satires; *Tacitus*, Germania and Agricola. Open to students who have completed Course A. Mon., Wed., Fri., 9, 11. Professor Long and Professor Anderson.

J. *Latin Composition*—Latin writing with discussions and lectures on the Latin language, methods of work, and problems in secondary teaching. Open to students who have completed Course A. Tu., Th., 3. Professor Long.

M. *Archaeology*—See Course designated Greek K.

C. *Latin Literature*—Horace, Epistles; Catullus; Prose selection. Open to students who have completed Course B. Mon., Wed., Fri., 11. Given in 1910-1911 and in alternate years with Course D. Professor Bonbright

D. *Latin Literature*—Poetry—Lyric and Elegiac selections. Horace, Literary Epistles; Quintilian. Open to students who have completed Course B. Mon., Wed., Fri., 11. Given in alternate years with Course C. Professor Bonbright.

E. *Dramatic Literature*—Plautus, two Plays; *Satire* and *Epigram*,—Juvenal; Martial. Open to students who have completed Course C or D.

Tu., Th., 11. Given in 1910-1911 and in alternate years with Course F. Professor Bonbright.

F. *Lucretius*, selected readings with interpretation and lectures; *Cicero*, Philosophical selections. Given in alternate years with Course E. Open to students who have completed Course C or D; Tu., Th., 11. Professor Bonbright.

K. *Caesar*, *Cicero*—Selections from Caesar's Commentaries; lectures on special phases of the writer's works; assigned topics for reports. Selections from the early orations of Cicero, with study of his rhetorical method and style. Open to students who have completed Course C or D. Intended primarily for students who expect to teach. *Two year-hours.* Tu., Th., 4. Given in 1910-1911 and in alternate years with Course H. Professor Long.

G. *Graduate Course*—Study of a selected type or period of Latin literary production: in 1910-1911, Roman Comedy. Offered to students of advanced preparation. Tu., Th., 10. Professor Anderson.

H. *Virgil*—Bucolics and Georgics; lectures introductory to the study of Virgil and the Roman epic; Aeneid; preparation of papers on assigned topics with lectures. Open to students who have completed Course C or D. Tu., Th., 4. Not given in 1910-1911. Professor Long.

Mathematics

PROFESSOR HOLGATE, PROFESSOR CURTISS, PROFESSOR WILSON, PROFESSOR MOREHEAD, DR. MOORE, AND DR. BROOKS.

MAJOR: Courses A1 and A2, (or Course A3), B1, and six additional year-hours, which must include at least one C-course. MINOR: Courses A1 and A2 (or Course A3,) and either B1 or B2.

Note—Courses A1 and A2, or Course A3, or their equivalent, must precede all more advanced courses in the department.

A1. *Plane Trigonometry and Analytical Geometry*—First semester—Review of Algebra. Plane Trigonometry, including the solution of oblique triangles. Second semester—Plane Analytical Geometry; an elementary course on the straight line and conic sections. Required of all candidates for a degree except those who elect Course A3. Students are referred to the note added to the list of courses prescribed for the degree of Bachelor of Arts, page 78. If deferred beyond the Sophomore year, this course bears a decreased credit. Mon., Wed., Fri., 8, 8, 9, 10, 10, 11, and 2. Tu., Th., Sat., 8, 9, 9. Professor Curtiss, Professor Wilson, Professor More head, Dr. Moore, and Dr. Brooks.

A2. *Algebra*—Ratio and proportion; the progressions; the graphical treatment of simultaneous quadratic equations; the binomial theorem

for positive integral exponents; determinants; the numerical solution of equations. This course may be taken concurrently with Course A1, or may be substituted for the second half of Course A1. A half-year course given each semester. Open to all students. Mon., Wed., Fri., 11. Dr. Moore.

A3. *Trigonometry, Algebra and Analytical Geometry*—A more extended course than Course A1, including Algebra and the elements of Differential Calculus in coördination with Plane Analytical Geometry. Open to all students. Mon., Tu., Wed., Th., Fri., 8, 10. Dr. Moore and Dr. Brooks.

A4. *Solid Geometry*—Open to students who have not presented Solid Geometry for admission. Such students may substitute this course for the second half of Course A1. Second Semester. Mon., Wed., Fri., 8. Professor Morehead.

A5. *Analytical Geometry*—First semester—An elementary treatment of the straight line and conic sections, equivalent to the second half of Course A1. Second semester—Continuation of Plane Analytical Geometry and introduction to Geometry of three dimensions. Open to students who have completed the first semester of Course A1, or its equivalent. Mon., Wed., Fri., 9. Professor Curtiss.

B1. *Differential and Integral Calculus*—The first section continues the work of Course A3, including Calculus and an introduction to Solid Analytical Geometry. The second section continues the work of Courses A1 and A2. Mon., Wed., Fri., 8, 9. Professor Wilson and Dr. Moore.

B2. *Advanced Algebra and Analytical Geometry*—First semester—Topics in advanced Algebra, including complex quantities, determinants, and the theory of equations. Second semester—Analytical Geometry of two and three dimensions. Either half of this course is open to students who have completed Courses A1 and A2, or Course A3. Mon., Wed., Fri., 8. Not given in 1910-1911. Professor Morehead.

B3. *The Principles of Algebra and Geometry*—A critical and historical study of the logical foundations of secondary mathematics. This course is included in Education E and is designed especially for those who intend to teach. Open to students who have completed Courses A1, A2, and A4, or Courses A3 and A4, and who have a credit of fifty semester-hours. Tu., Th., 10. Professor Wilson.

B4. *Statistics and Insurance*—Frequency, distribution, correlation, theory of probabilities, etc.; application to life insurance. Open to students who have completed Course A1 or its equivalent. Second semester. Mon., Wed., Fri., 9. Dr. Brooks.

C1. *Advanced Calculus*—Infinite series; Taylor's theroem; partial differentiation; differential geometry; definite integrals over curves, sur-

faces and volumes; the Eulerian functions; Fourier's series; differential equations. Open to students who have completed Course B1. Mon., Wed., Fri., 11. Professor Curtiss.

C2. *Analytical Mechanics*—Dynamics of a rigid body. Open to students who have completed Mathematics B1 and Physics B. Tu., Th., Sat., 9. Not given in 1910-1911. Professor Wilson.

C3. *Advanced Analytical Geometry*—An introduction to the study of some of the more important transformations, as projection, inversion, and polar reciprocation. Open to students who have completed Course B1 or B2. Tu., Th., Sat., 9. Professor Holgate.

C4. *Modern Synthetic Geometry*—The introduction of infinitely distant elements into geometry; central projection; perspectivity and projectivity; generation of conics from projective forms; ruled quadric surfaces; involution; poles and polars; systems of conics. Open to students who have completed Course B1 or B2. Tu., Th., Sat., 9. Not given in 1910-1911. Professor Holgate.

C5. *Solid Analytical Geometry*; *Advanced Algebra*—Open to students who have completed Course B1 or B2. Mon., Wed., Fri., 9. Professor Morehead.

D1. *The Partial Differential Equations of Mathematical Physics*—The solution of problems in Heat, Electricity, Acoustics, etc., by means of Fourier's series and allied developments; a treatment of these developments; ordinary linear differential equations whose solutions are connected with these problems; the theory of the Potential Function. Open to students who have completed Course C1. Sat. 10 to 12. Professor Curtiss.

D2. *The Theory of Functions*—Open to students who have completed Course C1. Not given in 1910-1911. Professor Curtiss.

D3. *The Theory of Numbers*—An introduction to the classical Theory of Numbers. Open to students who have completed a C-course. Primarily for graduate students. Hours to be arranged. Professor Morehead.

D5. *Ordinary Differential Equations*—Primarily for graduate students. First semester only. Not given in 1910-1911. Dr. Moore.

D6. *Vector Analysis*—Open to students who have completed or are taking a C-course. Hours to be arranged. Not given in 1910-1911. Professor Wilson.

D7. *Invariants and Galois' Theory of Equations*—Open to students who have completed a C-course. Not given in 1910-1911. Professor Morehead.

D8. *Non-Euclidean Geometry*—A discussion of the axioms of geometry, with some development of particular systems. Open to students who have completed a C-course. First semester. Hours to be arranged. Dr. Moore.

Music

PROFESSOR LUTKIN AND MR. GARWOOD.

Note—Students in the College of Liberal Arts may elect courses in the theory and history of music not to exceed twenty semester hours in the aggregate. Courses other than those listed below will be found in the Music School section of this catalogue.

A. *Introductory Harmony, Form and Analysis*—Scale and melody writing; construction of the period; intervals and two-part writing; chord-reading; small two-part primary forms; triads, inversions, chord-connection in three and four parts, cadences, modulations, dominant sept-chord. *No credit.* Mon., Wed., Fri., 3; Tu., Th., 3; Sat., 9:30. Mr. Dodge.

B. *History of Music*—A general survey of musical history and biographies of musicians. Recitations; class singing of specimens of Gregorian chant, early canons, and folk songs. Musical illustrations of later periods. Text-books: Clarence G. Hamilton's Outlines of Music History, and Meyers' General History (revised edition). *Credit, one year-hour.* Th., 2, 3. Mr. Garwood.

C. *Sight-Reading, Vocal*—Drill in scale and interval singing. Time sub-divisions, ear training, dictation, part-singing. *No credit.* Mon., Th., 4:00. Mr. White.

D *Harmony*—Figured basses and harmonization of melodies, employing the use of triads, dominant, diminished, and supertonic sept-chords, with inversions, in dispersed harmony. Secondary sept-chords and chords of the ninth. Suspensions and tones foreign to the harmony. Organ-point, modulation, etc. Text-book: Chadwick's Harmony. *Credit, two year-hours.* Mon., Th., 11. Professor Lutkin.

E. *Form and Analysis*—Chord-reading. Bach's inventions. Primary forms, principally from Mendelssohn and Chopin. Song or aria form. Minuets, marches, scherzos, rondos, theme and variations, the sonata form. Sonatas as a whole. Preludes and fugues. *Credit, two year-hours.* Tu., Fri., 11. Professor Lutkin.

F. *History of Music*—Lectures on the growth of musical art as related to the events of general history and the development of literatures. Text-book: Waldo S. Pratt's History of Music. *Credit, one year-hour.* Mon., 2, 3. Mr. Garwood.

Philosophy

PROFESSOR EWER AND PROFESSOR LONGWELL

MAJOR: Courses A1, A2, C1, and four additional year-hours. MINOR: Courses A1, A2, and three additional year-hours.

Note—Psychology A1 may be substituted for Course A1 or A2.

A1. *Logic*—An outline of deductive and inductive logic; text-book, lectures, written exercises. Open to students who have thirty hours of credit. First semester, Mon., Wed., Fri., 11, 2. Second semester, Mon., Wed., Fri., 2. Professor Ewer and Professor Longwell.

A2. *Introduction to Philosophy*—A systematic statement of philosophical problems and their typical solutions; the relations of philosophy to life and science; special reference to evolutionary conceptions. Text-book, lectures, collateral reading. Open to students who have thirty hours of credit. Second semester. Mon., Wed., Fri., 2. Professor Ewer.

B1. *Ethics*—An introductory study of ethical principles and practical problems of contemporary individual and social life. Text-book, lectures, collateral reading. Open to students who have completed an A-course (See Note above). Tu., Th., 10. Professor Ewer.

B2. *Philosophy of Religion*—First semester—Early religion and the great religions of the world. Second semester—Fundamental religious ideas in the light of philosophical and scientific thought. Text-book, lectures, collateral reading. Open to students who have completed an A-course (see Note above). Tu., Th., 11. Professor Ewer.

C1. *History of Philosophy*—Text book, lectures, reading in philosophical classics, ancient and modern. Open to students who have completed or are taking a B-course. Mon., Wed., Fri., 11. Professor Longwell.

C2. *Advanced Ethics*—A study of the development of ethical conceptions, their bearing upon contemporary social movements, and their metaphysical implications. Open to students who have completed Course B1. Sat., 8:30 to 10:30. Professor Ewer.

D1. *Advanced History of Philosophy*—A critical and comparative study of selected philosophical systems, with special reference to metaphysics and the theory of knowledge. Open to students who have completed Course C1. Hours to be arranged. Professor Longwell.

Physical Culture and Hygiene

DIRECTOR HAMMETT, PROFESSOR GILLESBY, MISS ARNOLD AND ASSISTANTS.

A. *Hygiene*—Lectures on the care of the body and the place of exercise and athletic sports in the preservation of health. Tu., Th., 11. First semester. Professor Gillesby.

B. Physical training under instruction is required of all undergraduates during their first year of residence, but in case of physical disability, properly attested, the student may be released from this requirement at the

request of his parents or guardian; such release, however, can be had only by vote of the Committee on Gymnasium and Physical Training. The character of the work for each student is determined by the department after careful consideration of his individual needs, but in all cases the requirement is three hours a week for one year.

Physics

PROFESSOR CREW, PROFESSOR TATNALL, AND MR. HAKE

MAJOR: Courses A, B, and C. MINOR: Courses A and B.

A. *General Physics*—First semester.—General properties of matter, wave-motion, sound. Second semester.—Heat, electricity, magnetism, light. An introductory course requiring no mathematics beyond the requirements for entrance to college, intended to acquaint the student with the elementary facts, the method, and the general principles of physical science. Text-book: Crew's General Physics. One laboratory exercise each week. Open to all students. *Credit, four year-hours.* Mon., Wed., Fri., 9, 10. Professor Crew, Professor Tatnall, and Mr. Hake.

B1. *Mechanics*—An elementary experimental study of forces, moments of force, moments of inertia, elasticity, hydromechanics, an introduction to advanced physics and engineering. This is a course in pure Dynamics, and serves as an introduction to Applied Mechanics. Text-book: Crew's Principles of Mechanics. Two lectures and one laboratory exercise a week. The laboratory work is guided by specially prepared instructions. Open to students who have completed Course A, or its equivalent. *Credit, three year-hours.* Tu., Th., 8. Professor Tatnall.

B2. *Physical Optics*—Two lectures and one laboratory exercise a week. Theoretical and experimental study of the general phenomena of refraction, diffraction, interference, and polarization. Study of the spectrometer and interferometer, and of the aims and methods of spectroscopy. Application of the principles of diffraction and interference to the telescope, the spectroscope, the interferometer, and other optical instruments. The laboratory work is guided by a set of instructions prepared and printed especially for this laboratory. Text-book: Edser, Light for Students. Open to students who have completed Course A. *Credit, three year-hours.* Hours to be arranged. Professor Crew.

C. *Electricity and Magnetism, The Direct Current Circuit*—Two lectures and one laboratory exercise a week. The more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory are derived and discussed. Text-book: Foster and Porter's Electricity and Magnetism. The laboratory work includes the measurement

by one or more methods of current, resistance, electromotive force, temperature-coefficients, capacity; a study of the magnetic properties of iron and steel, thermo-electric effects, the use of the electrometer, the Carey Foster bridge, potentiometer, copper voltameter, etc. Open to students who have completed or are taking Course B. *Credit, three year-hours.* Tu., Th., 9. Professor Crew and Professor Tatnall.

D. *The Alternating Current Circuit*—One lecture and one laboratory exercise each week. In this course the physical properties of the alternating current circuit are considered, rather than the application of these to engineering problems. The laboratory work includes measurements of current, inductance, capacity, impedance, study of wave-forms, use of oscillograph, etc. Open to students who have completed Course C. *Credit, two year-hours.* Tu., 10., Th., 10 to 12. Professor Tatnall.

E1. *Mathematical Physics; Electricity and Magnetism*—Essential for all advanced students of pure physics and for those contemplating electrical engineering of high grade, and recommended to students interested in applied mathematics. The course is intended primarily for graduates. Open to students who have completed Course C. Text-book: Jeans' Mathematical Theory of Electricity and Magnetism. Given in alternate years with Course E2. Mon., Fri., 9. Professor Crew.

E2. *Mathematical Physics; Optics*—The general theory of physical optics, spectrum analysis, and astrophysics, including the theory of optical instruments. Given in alternate years with Course E1. Intended to be accompanied by laboratory work, the hours of credit for which are to be separately determined in each case. Schuster's Theory of Optics represents the ground covered. For advanced students and graduates. Mon., Fri., 9. Professor Crew.

Psychology

PROFESSOR SCOTT AND DR. GAULT

MAJOR: Ten year-hours, including a course as advanced as Course C1. MINOR: Courses A1 and A2, and three additional year-hours.

A1. *Elementary General Psychology*—Class room demonstrations and guidance to private observation; demonstration of apparatus and methods of experimental psychology; written exercises and experiments by members of the class; text-book, lectures, and collateral reading. Open to students who have thirty hours of credit. First semester, Mon., Wed., Fri., 10, 2; second semester, Mon., Wed., Fri., 9. Professor Scott and Dr. Gault.

A2. *Special Topics in General Psychology*—A more intensive study of a group of special topics than can be given in Course A1. Open to students who have completed Course A1 or its equivalent. Mon., Wed., Fri., 2. Second semester. Professor Scott.

B1. *Experimental Psychology*—Intended for students of general psychology who desire to become acquainted with laboratory methods. Open to students who are taking or have completed Courses A1 and A2. Two consecutive hours of laboratory work are required for one hour of credit. Wed., Fri., 3 to 5. Dr. Gault.

B2. *Applied Psychology; Education*—This course aims to set forth the scientific basis of teaching in so far as it is found in the science of Psychology, and to enable the student to think educational problems from the point of view of mental development in the child. The physical nature of the child, his instincts and capacities, with their individual variations, are studied in considerable detail, and the work is concluded with a study of mental tests and measurements. Open to students who have completed Course A1 or its equivalent. Kirkpatrick's Fundamentals of Child Study and Thorndike's Educational Psychology. Tu., Th., 10. Dr. Gault.

B3. *Applied Psychology; Business*—An intensive study of psychological principles which have the most direct application to business. Business practices are analyzed and an attempt is made to understand from a psychological standpoint some of the causes of successes and failures in business. Individual students study the actual and also the possible applications, in business of such factors as imitation, competition, loyalty, the love of the game, and personal differences. More attention is paid to advertising than to other forms of business. Open to students who have completed Course A1. Second semester Mon., Wed., Fri., 9. Professor Scott.

B4. *Psychology of the Abnormal Mind*—Study of abnormal forms of mentality in their relation to the operations of the normal mind. Border line phenomena receive special emphasis. Such homes for the abnormal as are accessible are visited. Störring's Mental Pathology and Normal Psychology. Open to students who have completed Course A1 or its equivalent. Tu., Th., 11. Dr. Gault.

C1. *Advanced Experimental Psychology*—A continuation of Course B1, with the introduction of a limited amount of research. Two consecutive hours of laboratory work are required for one hour of credit. Open to students who have completed Course B1. *Credit, two year-hours.* Hours to be arranged. Professor Scott.

D1. *Research Work*—Open to students who have completed Course C1 or its equivalent. *Credit, two to five year-hours.* Hours to be arranged. Professor Scott.

Romance Languages and Literatures

PROFESSOR BAILLOT, PROFESSOR DE SALVIO, MR. GUYER, MR. GILBERT, AND MISS BRAGDON

MAJOR: Courses A and B in French and six additional year-hours, which must include at least four year-hours in French more advanced than Course B. MINOR: Courses A and B in French.

FRENCH

Le Cercle Français meets on alternate Thursdays at 7:30 o'clock p. m., and is open to all students who have completed Course A in French.

AA. *Elementary French*—DeBordes' Grammar. Whitney's Reader. Labiche's La Grammaire. Merimée's Colomba, Sicard's Easy French History. Baillot-Brugnot's Composition. Labiche-Martin's Voyage de M. Perrichon. Papot-Williamson's Easy French Stories. Sand's La Petite Fadette. Simple dictation, private reading, and composition. Credit will not be given unless the full course is completed. Mon., Tu., Wed., Th., Fri., 8, 8, 9, 9, 11, 2. Professor de Salvio, Mr. Guyer, Mr. Gilbert, Miss Bragdon, and Miss Sjöström.

AB. *Intermediate French*—Open to students who have presented one unit of French for admission. Mon., Wed., Fri., 9. Mr. Gilbert.

A. *Modern French*—Baillot-Brugnot's Composition. Advanced Grammar. Reading. Madame de Girardin's La Joie fait Peur. Eugène Scribe's Les Doigts de Fée. Coppée's On rend l'Argent. Freeborn's Contes de Daudet. Pailleron's Le Monde où l'on s'Ennuie. White's Contes de Maupassant. Victor Hugo's Quatre-Vingt Treize. Canfield's French Lyrics. Coppée's Le Pater. Victor Hugo's Hernani. Private reading: Cameron's Selections from Loti. Hennequin's Lessons in Idiomatic French. Essays. Open to students who have completed Course AA or its equivalent. Mon., Wed., Fri., 10, 11, 2, Tu., Th., Sat., 9. Mr. Guyer, and Mr. Gilbert.

K. *French Conversation*—Open to students who have completed Course AA. *Credit, one year-hour.* Mon., Fri., 11. Mr. Gilbert.

B. *Classic French Literature of the Seventeenth and Eighteenth Centuries*—First semester—Seventeenth Century. Corneille's Le Cid, Polyeucte. Racine's Athalie. Molière's Le Misanthrope, L'Avare. Warren's Prose Writers of the 17th Century. Composition. History of the French Theater, in dictations. Collateral reading: Crane's La Société Française au 17e Siècle. Short lectures on the history of the theater in France. Second semester—Eighteenth Century. Lesage's Gil Blas. Voltaire's Zaïre and letters. Beaumarchais' Le Barbier de Séville and letters. A study, with collateral reading, is also made of other authors of the eighteenth cen-

tury. Exercises in French syntax. Open to students who have completed Course A or an equivalent. Mon., Wed., Fri., 9, 10. Professor Baillot.

G. *French Composition*—Open to students who have completed French A. *Credit, two year-hours.* Tu., Th., 11. Professor Baillot.

C. *General Survey of French Literature to the End of the Sixteenth Century*—Demogeot's French Literature and Darmesteter and Hatzfeld's Le Seizième Siècle en France will be used as text-books, and collateral reading is assigned by the instructor. Dictations. Papers on collateral reading. Open to students who have completed Course B. Tu., Th., 11. Mr. Guyer.

D. *Modern French Literature*—The literature of the Nineteenth Century taking as a basis George Pellissier's Le Mouvement Littéraire au XIXe Siècle. Collateral reading. Open to students who have completed Course B. Tu., Th., 9. Professor Baillot.

F. *Old French and Early French Literature*—Lectures on phonology and morphology. The texts to be read are: La Chanson de Roland; Aucassin et Nicolette; Erec et Enide. Open to students who have completed Course B, and to others by special permission. Tu., Th., 10. Professor de Salvio.

E. *Advanced French*—Topics closely related to those of Courses C and D; students are expected to carry on special studies with prepared papers. Open to students who have completed Course C or D. *Credit, two year-hours.* Time to be arranged. Professor Baillot.

H. *Lectures on French Literature*—Open to students who have completed Course C or D. Not given in 1910-1911. *Credit, two year-hours.* Th., 11. Professor Baillot.

J. *The Theater of the Seventeenth Century; Advanced Course*—Open to students who have completed Course C or D. Not given in 1910-1911. *Credit, two year-hours.* Time to be arranged. Professor Baillot.

ITALIAN

A. *Elementary Course*—Grandgent's Grammar and Composition. Bowen's Reader; Goldoni's La Locandiera; Fogazzari's Pereat Rochus; Manzoni's I Promessi Sposi. Credit will not be given unless the full course is completed. Mon., Wed., Fri., 8. Professor de Salvio.

B. *Advanced Course*—General view of Italian literature. Advanced composition. Selections from Dante's Divina Commedia; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. V; Verga's Cavalleria Rusticana ed Altre Novelle; Fogazzari's Fedele; Alfieri's Oreste. Open to students who have completed Italian A. *Credit, two year-hours.* Time to be arranged. Professor de Salvio.

C. *Early Italian*—Lectures on Italian phonology and morphology. The literature of the Trecento. Monaci Crestomazia dei primi secoli; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. I. Open to advanced students and to others who satisfy the instructor of their fitness to take the course. *Credit, two year-hours.* Time to be arranged. Professor de Salvio.

SPANISH

A. *Elementary Course*—Hills and Ford's Grammar; Composition; Bransby's Spanish Reader; Valdes' José; Galdos' Dona Perfecta; Moratin's El si de las Ninas. Credit will not be given unless the full course is completed. Mon., Wed., Fri., 2. Professor de Salvio.

B. *Advanced Course*—Lectures on Spanish literature with special emphasis on the modern period. Advanced composition. The following list will show approximately the range of reading: Selections from Cervantes' Don Quixote; at least one of Lope de Vega's and Calderon's selected plays; Ramon de Campoamor's Doloras Galdos' Marianela; Fernan Caballero's La Gaviota; Echegaray's El Gran Galeoto; Valera's Pepita Jimenez; Tamayo y Baus' Un drama nuevo; Fords' Spanish Anthology. Open to students who have completed Spanish A. Tu., Th., 9. Professor de Salvio.

C. *Literature of the Sixteenth and Seventeenth Centuries*—Lectures on Spanish phonology and morphology. Spanish literature to the fifteenth century. The texts: El Poema del Cid, edited by R. Menendez Pidal; Adolph Keller's Alt-spanisches Lesebuch mit Grammatik und Glossar. Open to advanced students and to others who satisfy the instructor of their fitness to take the course. *Credit, two year-hours.* Time to be arranged. Professor de Salvio.

Scandinavian Languages

MR. ELMQUIST

MINOR: Six year-hours more advanced than Course AA.

AA1. *Elementary Swedish*—Fort's Elementary Swedish Grammar, Selma Lagerlöf's "En Herrgardssägen" and "Nils Holgersson" Strindberg's "Sagor." Open to all students. Mon., Wed., Fri., 8. Mr. Elmquist.

A1. *Modern Swedish*—Carlson's Grammar; Selma Lagerlöf's "Gösta Berlings Saga;" Helena Nyblom's "Det Ringer;" Tegnér's "Fritiofs Saga;" Runeberg's "Färik Stals Sägner;" selections from Heidenstam. Open to students who have completed Course AA1 or Course A2, or who have a speaking and reading knowledge of Swedish. Mon., Wed., Fri., 9. Mr. Elmquist.

A2. *Modern Norwegian and Danish*—Olsen's Grammar; Björnson's Fortaellinger; Kielland's Novelletter, Pontoppidan's Det Forjaettede

Land; one or two plays of Ibsen. Open to students who have completed Course A1 or who have a speaking and reading knowledge of Norwegian-Danish. Mon., Wed., Fri., 10. Mr. Elmquist.

B1. *Swedish Literature*—Representative writers of the nineteenth and twentieth centuries are read: Steffen's Svensk Litteraturhistoria. Open to students who have completed Course A1. *Two hours.* Not given in 1911-1912. Mr. Elmquist.

C1. *Swedish Literature from the Reformation to the Year 1800.* Open to students who have completed Course A1. Tu., Th., 8.

O. *Old Icelandic*—Sweet's Icelandic Primer. Prose selections. A number of poems from the Edda. Lectures on the literature and other subjects. Open to advanced students in the department or to students who have a credit of sixty hours. *Two hours.* Hours to be arranged. Mr. Elmquist.

S. *Germanic Philology*—First semester—*Gothic.* Braune's Gotische Grammatik, Ulfilas (Stamm-Heyne-Wrede), Meringer's Indogermanische Sprachwissenschaft. Second semester—*Old Saxon.* Holthausen's Altsächisches Elementarbuch. Selections from the Heliand. Loewe's Germanische Sprachwissenschaft. Streitberg's Urgermanische Grammatik (used for reference). This course may profitably be combined with German K or English Language D. Open to seniors and graduate students. *Credit, two to four year-hours.* Hours to be arranged. Mr. Elmquist.

Of the two courses, O and S, but one will be given each year.

X. *Lectures on Scandinavian Mythology and Literature*—Does not require a knowledge of a Scandinavian language. Open to students who have a credit of thirty hours. Tu., Th., 4. Mr. Elmquist.

Semitic Languages

PROFESSOR EISELEN AND MR. RAPP

These courses are given in Garrett Biblical Institute and students electing them are subject to the regulations of that school.

HEBREW

MINOR: Courses A and B.

A. *Elements of Hebrew Language*—Inductive study of the Hebrew language upon the basis of Genesis, Chapters I-VIII. Open to all students. Tu., Wed., Th., Fri., 9. Mr. Rapp. A beginners' class is organized also immediately after the Christmas recess.

B. *Introduction to Hebrew Literature*—Exegetical and critical reading of selections from the prophetic and the poetic literature of the Hebrews. Open to students who have completed Course A. Wed., Th., Fri., 11. Professor Eiselen.

C1. *Messianic Prophecy*—Study of the Messianic ideas and ideals of the Old Testament. Open to students who have completed Course B. First semester. Hours to be arranged. Professor Eiselen.

C2. *Studies in Hebrew Prophecy*—Exegetical and critical study of passages centering around the following topics: (a) The inspiration of the prophets. (b) The prophet as a statesman. (c) The prophet as a social reformer. Open to students who have completed Course B. Second semester. Hours to be arranged. Professor Eiselen.

C3. *Seminary*—The religious life and the religious beliefs of the Hebrews, as shown in the activity and teaching of their religious leaders. Open to students who have taken or are taking Courses C1 and C2. Th., 10. Professor Eiselen.

ASSYRIAN

D4. *Assyriology and the Old Testament*—The excavations in Babylonia-Assyria, and their bearing upon the literature and religion of the Old Testament. Open to students who have completed Course A. Primarily for graduates. Hours to be arranged. Professor Eiselen.

ARAMAIC

E. *Elementary Course*—Study of the Aramaic language and portions of the Old Testament. Open to students who have completed Hebrew A, or its equivalent. *Credit, one year-hour.* Time to be arranged. Professor Eiselen.

Spanish

See Romance Languages and Literatures, page 111.

Zoölogy

PROFESSOR LOCY, PROFESSOR HARPER, DR. HARGITT AND MR. SMITH

MAJOR: Course A and six additional year-hours. MINOR: Course A and two additional year-hours not taken concurrently with Course A.

A. *Structure, Development, and Evolution of Animal Life*—A general educational course. Comparative study of living organisms; physiological side receiving much attention. First semester—Observations on the properties of living matter; a few selected types of invertebrated animals. Second semester—The basis of the doctrine of organic evolution is set forth and its present status indicated. A large part of the time of this semester is devoted to observations on the development of animals, using eggs of fishes, amphibia, and the chick. Open to those without previous instruction in zoölogy or biology; recommended to students who have had a year's work in the high school, for whom a special laboratory section is formed. Credit

is not given unless the full course is completed. *Credit, four year-hours.* Lectures: Tu., Th., 9. Professor Locy. Laboratory sections: I, Mon., Wed., 8-10; II., Mon., Wed., 2-4; III, Tu., Th., 10-12; IV, Tu., Th., 2-4. Professor Locy, Dr. Hargitt and assistants.

B3. *Physiology*—A course in human and general physiology. Lectures recitations and class demonstrations. A two-hour laboratory period is at intervals substituted for one class-exercise a week. Open to all students. Mon., Wed., Fri., 2. Professor Harper.

B1. *Comparative Anatomy and Physiology of Vertebrates*—First semester—Comparative Anatomy. Study of selected vertebrate types. The recitations and lectures are based on Weidersheim's Comparative Anatomy of Vertebrates. Second semester—Vertebrate Embryology; a discussion of the broader problems opened by study of the development of animals. Lectures and laboratory work. Open to students who have completed or are taking Course A. *Credit, four year-hours.* Wed., Fri., 9. Laboratory sections: Tu., Th., 8-10, 10-12. Professor Locy and Mr. Smith.

B2. *Invertebrate Zoölogy*—The laboratory study is confined to forms found in this region. Field excursions are included. In addition to the structure and development of certain types, physiological problems are considered and recent studies upon animal behavior are illustrated in the laboratory work. *Credit, two year-hours.* Tu., Th., 9. Professer Harper.

B4. *Sources of Biological Ideas from the Revival of Learning to the Present Time*—Historical lectures from the renaissance of science to the present, particular attention to the beginning, the growth, and the modification of fundamental doctrines and principles that have become fruitful in the nineteenth century. Intended primarily for students taking other work in the department. Open to students who have completed Course A or its equivalent. *Credit, one year-hour.* Tu., 4. Given in 1911-1912 and in alternate years. Professor Locy.

C. *Cytology and Histology*—First semester—Cell-life and elementary histology; anatomy and physiology of the cell, microscopical structure of the elementary animal tissues; the general methods of microscopical technique Second semester—Microscopical structure of the animal organs; the importtant special methods of microscopical technique. Text-books: Wilson's The Cell in Development and Inheritance and Stöhr's Text-book of Histology. Open to students who have completed or are taking Course A. *Credit three year-hours.* Mon., 9. Laboratory hours to be arranged. Professor Harper.

D. *Physiology*—Intended for students preparing for medicine. Includes the work of the first year of Physiology in the Medical School, and is accepted in full for that course. Based on Hall's text-book and laboratory

manual. Open to students who have completed Courses A and B1. Mon., Wed., Fri., 3. Professor Harper.

E. *The Central Nervous System and its Terminal Organs*—First semester—Comparative structure of the central nervous system, with discussions of some of its physiological activities. Lectures and demonstrations. Second semester—The structure and evolution of sense-organs. Two hours of credit may be secured by additional laboratory work. *Credit, one year-hour.* Given in 1910-1911 and in alternate years. Professor Locy.

F. *Topics of Investigation*—An introduction to original research. Limited problems are assigned and worked out under the direction of the professor in charge. Consultation of the literature bearing on the problem; a thesis embodying results. A reading familiarity with French and German is essential. Open to students who have completed Courses A, B1, and C. Credit and time to be arranged. Professor Locy and Professor Harper.

G. *Research Work*—Similar to Course F, but with broader scope. The thesis must embody a critical review of the important literature and must show substantial conclusions based upon the work of the student. Means of publication will be found for worthy papers. For graduate students who have completed the equivalent of the courses designated above; may be elected for either ten or for fifteen hours of credit. Time to be arranged. Professor Locy.

Course in Anatomy

A course in Human Anatomy—Dissection and Osteology—is given under the direction of the College of Liberal Arts in the laboratories of the Dental School for students of the College who are at the same time registered as first year Medical students. This course is open only to those who have completed the work of the first two years in this College and can meet the entrance requirements to the Medical School. It is not given unless elected by as many as five students. Lectures and laboratory, three afternoons a week. *Credit, four hours each semester.* Laboratory fee, fifteen dollars a semester.

Courses in the Principles of Art

The following courses in the Principles of Art were offered during the year 1910-1911 by Miss Stella Skinner, University Guild Lecturer on Art. The lectures and laboratory work are given in the Guild Rooms in Orrington Lunt Library.

A1. *Fundamental Principles of Art Expression* illustrated by typical examples; application of these principles to the home. The development

of the dwelling, its decoration and furnishings from primitive to modern times; historic periods in domestic architecture, ornament, and furniture; their significance and influence on twentieth century styles; a discussion of modern tendencies in construction and decoration from the basis of art principles. Gallery tours. Lantern slide illustrations. Open without fee to students in regular courses in the College of Liberal Arts, College of Engineering, and School of Music. To persons not so enrolled, a fee of three dollars a semester is charged. *Credit, two hours each semester.* Tu., Th., 3.

A2. *Laboratory Exercises connected with Course A1.*—Fee to students enrolled in regular courses in the College of Liberal Arts, College of Engineering, and School of Music, three dollars a semester. To others, the fee for Courses A1 and A2 is five dollars a semester. *Credit, one hour each semester.* Time to be arranged.

B2. *Advanced Design*—Laboratory exercises in original designing in continuation of the study of art principles. Applied design. Historic styles of ornament with reference to original significance and modern adaptation. Open to students who have completed Course A2 and to others with equal preparation. Laboratory fee, three dollars a semester. *Credit, two hours each semester.* Time to be arranged.

C. *History of Art*—Italian School. The first year of a two-year course. Illustrated by lantern slides. (a) Ancient painting—Egyptian, Greek, Roman; (b) Early Christian and Byzantine; (c) Romanesque and Gothic; (d) Transition; (e) Early Renaissance; (f) High Renaissance; (g) Decadence. Lectures, Wednesday at 4, Orrington Lunt Library. Open without fee to students who have completed Course A1, and to college Juniors and Seniors. Persons not enrolled as students pay a fee of three dollars a semester.

Summer Courses

Courses are offered during the summer vacation by members of the College Faculty, intended primarily for teachers and for undergraduates wishing to make up deficiencies, but open to any persons qualified to take them. These courses bear appropriate college credit and special announcement is made of them from year to year.

The following courses were offered during the summer of 1910, each course continuing for a period of six weeks; beginning June 27th.

CHEMISTRY

General Chemistry—An elementary course for beginners. Credit, four semester hours.

Household Chemistry—Credit, two semester hours.

Sanitary Chemistry—Credit, three semester hours.

ECONOMICS

Elements of Economics—Credit, three semester hours.

The Labor Question in Europe and America—Credit, three semester hours.

Sociology and Socialism—Credit, two semester hours.

ELOCUTION

Interpretation and Voice Culture—Three hours a week. No credit.

Delivery of Orations—Three hours a week. No credit.

Dramatic and Impersonative Reading—Private instruction only. No credit.

ENGLISH

The Longer Forms of Narrative—Credit, two semester hours.

English Literature from 1660 to 1900—Credit, two semester hours.

English for Admission to College—Credit, three semester hours.

GREEK AND LATIN

Cicero, De Senectute and Letters—Credit, three semester hours.

Horace, Odes—Credit, three semester hours.

Greek and Roman Archaeology—Credit, two semester hours.

HISTORY

Ancient History—Credit, two semester hours.

Mediaeval History—Credit, two semester hours.

MATHEMATICS

Plane Trigonometry—Credit, three semester hours.

Plane Analytical Geometry—Credit, three semester hours.

Algebra—Credit, three semester hours.

Differential and Integral Calculus—Credit, three semester hours.

MUSIC

Public School Music—Two hours a day. No credit.

PHILOSOPHY

Ethics—Credit, two semester hours.

PHYSICS

General Physics—Credit, four semester hours.

PSYCHOLOGY

General Psychology—Credit, two semester hours.
Educational Psychology—Credit, two semester hours.
Psychology of the Abnormal Mind—Credit, two semester hours.

ROMANCE LANGUAGES

Elementary French—Credit, two semester hours.
Advanced French—Credit, two semester hours.
Elementary Italian—Credit, two semester hours.
Elementary Spanish—Credit, two semester hours.

ZOÖLOGY AND PHYSIOLOGY

Invertebrate Zoölogy—Credit, four semester hours.
Physiology and Hygiene—Credit, two semester hours.

Extension Courses

Courses are given under the direction of the faculty of the College of Liberal Arts, in Northwestern University Building, Chicago, designed to meet the needs of teachers in the city schools and of others who are unable to pursue studies in regular college classes. These courses bear equivalent credit toward a degree but not more than thirty hours of credit obtained in this way may be so applied and not more than fifteen hours toward meeting the requirement of residence. Special announcement is made from time to time of the courses offered.

Courses in Professional Schools

The courses enumerated below, given in the professional schools of this University or in Garrett Biblical Institute, are open to students in the College of Liberal Arts for credit toward a bachelor's degree under the conditions named in each case. They may not, however, in any case be counted in fulfillment of the year of residence in the College of Liberal Arts required of all candidates for an academic degree.

MEDICAL SCHOOL

The following courses in the Medical School may be elected by students in the College of Liberal Arts who have secured on record sixty hours of credit, including the prescribed courses for a degree as shown on page 78, at least thirty hours of which must have been done in residence under the College faculty.

Students electing any course in the Medical School pay the tuition fees of that school and are released from tuition fees in the College of Liberal Arts.

M1a. *Anatomy, Dissection and Osteology*—Lectures and laboratory, four three-hour periods a week. *Credit, four hours each semester.* (Anatomy a, 1 and 2). Credit not allowed to students who have completed a corresponding course in Anatomy in the College of Liberal Arts. Professor Ranson and assistants.

M1b. *Histology and Embryology*—Lectures, two hours a week through the year; Laboratory, two three-hour periods a week through the year. *Credit, four hours each semester.* (Anatomy b, 1 and 2). Credit not allowed in Histology to students who have received credit for Zoölogy C. nor in Embryology to students who have received credit for Zoölogy B1. Professor Prentiss and assistants.

M1c. *Chemistry*—First semester—Organic Chemistry; second semester—Physiological Chemistry. Three lectures and two laboratory periods a week. *Credit, four hours each semester.* (Chemistry, a, b, c, d, e). Credit not allowed to students who have completed the corresponding courses in the College of Liberal Arts. Professor Long and Mr. Johnson.

M1d. *Physiology*—Lectures and demonstrations three hours a week through the year: Laboratory, one two-hour period a week, first semester; two two-hour periods a week, second semester. *Credit, three hours each semester.* (Physiology a, b and c). Not open to students who have received credit for Zoölogy D. Professor Hall and assistants.

M2a. *Anatomy, continuation of Course M1a*—Lectures and laboratory, three three-hour periods a week, first semester. *Credit, four semester hours.* (Anatomy a3). Professor Ranson and assistants.

M2b. *Anatomy of the Central Nervous System*—Lectures and laboratory, two three-hour periods a week, second semester. *Credit, two semester hours.* (Anatomy c). Professor Ranson and assistants.

M2c. *Physiology of Nutrition, the Central Nervous System, and Special Senses*—Lectures, two hours a week, and laboratory, two two-hour periods a week, second semester. *Credit, four semester hours.* (Physiology d, e, f). Professor Hall, Professor Grinker, and assistants.

M2d. *Bacteriology and Etiology*—Lectures and demonstration, two hours a week through the year. Laboratory, three two-hour periods a week, first semester. Recitations, one hour a week first semester. *Credit, six hours, first semester; two hours, second semester.* (Pathology and Bacteriology, a, b, c). Professor Zeit and assistants.

M2f. *General Pathology*—Lectures, demonstrations, and recitations, three hours a week. Laboratory, three two-hour periods a week, first semesester. *Credit, four semester-hours.* (Pathology and Bacteriology, d, e, f). Professor Zeit and assistants.

M2g. *Pharmacology*—Lectures and recitations, three hours a week; Laboratory, three hours a week, through the year. *Credit, four hours each semester.* (Pharmacology, a, b, c, d). Professor McGuigan.

LAW SCHOOL

The following courses in the Law School may be elected by students in the College of Liberal Arts who have secured ninety hours of credit including the prescribed courses for a degree and the completion of a major and a minor. Credit in these courses is not given till the full course is completed and students electing any of them pay the tuition fee of the Law School.

L1a. *Contracts*—Three lectures a week through the year. *Credit, eight semester hours.* Professor Costigan.

L1b. *Torts, including Master and Servant*—Three lectures a week through the year. *Credit, eight semester hours.* Professor Wigmore.

L1c. *Property*—One lecture a week, first semester; three lectures a week, second semester. *Credit, six semester hours.* Professor Kales.

L1d. *Crimes and Criminal Procedure.* Three lectures a week, first semester. *Credit, four semester hours.* Professor Keedy.

L1e. *Common Law Pleading and Procedure*—Three lectures a week, second semester. *Credit, four semester hours.* Professor Keedy.

L1f. *Damages*—One lecture a week, first semester. *Credit, two semester hours.* Professor Schofield.

COLLEGE OF ENGINEERING

The following courses in the College of Engineering are open to students in the College of Liberal Arts, and may be elected for credit toward a bachelor's degree.

A1. *Mechanical Drawing*—Two afternoons a week. A one-semester course given each semester. *Credit, two semester hours.* Laboratory fee six dollars. Professor Hammer.

A2. *Freshmen Shop Work*—Two afternoons a week. A one-semester course given each semester. *Credit, one year-hour.* Laboratory fee, eight dollars. Professor Basquin and Mr. Stanford.

B1. *Sophomore Shop Work*—One afternoon a week. *Credit, one year-hour.* Open to students who have completed Course A2. Laboratory fee, four dollars. Professor Basquin and Mr. Stanford.

B2. *Surveying*—Two recitations and one morning a week. *Credit, three year-hours.* Open to students who have completed Courses A1 and Mathematics A3. Laboratory fee, five dollars. Professor Burger.

B3. *Summer Surveying*—A six-weeks summer course. Open to students who have completed Course B2. Laboratory fee, thirty dollars. Professor Burger.

C1. *Descriptive Geometry, Kinematics, and Graphical Statics*—One morning and one afternoon a week. *Credit, three year-hours.* Open to students who have completed Course A1 and Mathematics A3. Laboratory fee, three dollars. Professor Hammer.

D3. *Structural Mechanics*—Two recitations and one morning a week. *Credit, three year-hours.* Open to students who have completed Physics B, and Mathematics B1. Laboratory fee, five dollars. Professor Basquin.

D4. *Heat Engines*—Credit three semester hours. Second semester only. Open to students who have completed Physics B. Laboratory fee, three dollars. Professor Bauer.

D6. *Electrical Engineering*—Two recitations and one afternoon a week. *Credit, three year-hours.* Open to students who have completed Physics C and Mathematics B1. Laboratory fee, three dollars. Professor Bauer.

SCHOOL OF MUSIC

Students in the College of Liberal Arts may elect courses in the School of Music as described on page 268. Not more than twenty semester hours of this work may be counted toward a degree.

GARRETT BIBLICAL INSTITUTE

The following courses in Garrett Biblical Institute may be elected by students in the College of Liberal Arts who have sixty hours of credit toward a degree, but no student may present more than thirty hours of credit from these courses. Students electing them are subject to the regulations of the Institute.

A. *Christian Doctrine*—Three hours a week. Professor Terry.

B. *New Testament Greek*—(a) The Gospel according to Luke and the Book of Acts, critical and exegetical study, three hours a week; (b) The Pauline Epistles, introduction, analysis, and exegesis, three hours a week; (c) The remaining books of the New Testament, textual, critical, and exegetical study, three hours a week. Professor Hayes.

C. *Hebrew, Assyrian, Aramaic—See page* 114. Professor Eiselen.

D. *Church History*—Post-Nicene History of the Christian Church. Christianity within the Roman Empire. The Church and Mediaeval Society; the Reformation; the Modern Church. Three hours a week. Professor Little.

Special Programs of Study

Certain courses announced in the preceding pages have a more or less direct bearing on the professional career which the student may have in contemplation, and elective studies may well be chosen with this in view. The following paragraphs contain the regulations under which a student by a proper combination of courses in the College of Liberal Arts and a professional school may shorten the time required to secure both an academic and a professional degree.

The limited credit allowed toward a bachelor's degree for studies pursued in a professional school is restricted to work done in the schools of Northwestern University, but time spent in a professional school can in no case be counted toward the requirement of one year of residence in the College of Liberal Arts demanded of all candidates for a degree.

ACADEMIC AND MEDICAL COURSES IN COMBINATION

Students who wish to combine courses in such a way as to secure an academic and a medical degree in less than the normal length of time may do so by a proper choice of studies. The first year of the medical course may be taken either at Evanston or in Chicago, and students while still resident in Evanston may so far complete the medical course that only three years of work will remain to be done in Chicago.

Before registering for medical studies on this combined program the student must have completed two full years of work in the College of Liberal Arts, sixty semester hours, including all the prescribed courses for a degree as listed on page 78 and the full admission requirements for the Medical School. This being done, he may register both as a Liberal Arts student and as a medical student and may elect the studies of the first year of Medicine either in Evanston or in Chicago. These studies as given in Evanston are as follows:

Anatomy—See page 117.

Chemistry—Course B (second semester) and Course C3. See page 83.

Histology and Embryology—Zoölogy, Course B1 and Course C. See page 116.

Physiology—Zoölogy, Course D. See page 116.

The second year of medicine must be taken at the Medical School in Chicago, but the work of this year consists mainly of courses which may be elected by students in the College of Liberal Arts for credit toward a bachelor's degree, (see page 78), and hence it may be applied toward both an academic and a Medical degree.

The Bachelor's degree in Arts or Science is conferred when the requirements of the College of Liberal Arts for such degree are fully met, and the degree of Doctor of Medicine when the full medical course is completed.

The minimum time for the two degrees is six years, but if there is no overlapping of courses, the time required for the completion of both programs of study is eight years.

Students transferring from other colleges or universities wishing to obtain an academic degree from this university must spend at least one year in residence in Evanston and must complete a full year of work in the class rooms and laboratories of the College of Liberal Arts. They must meet all the requirements for an academic degree as described on page 78, but if their previous training permits they may during the year of residence in Evanston register also as students in the Medical School and elect the studies of the first year of the medical course.

ACADEMIC AND LAW COURSES IN COMBINATION

A student in the College of Liberal Arts who has secured ninety hours of credit, including the required studies described on page 78, and the requirements for a major and a minor, may thereafter elect courses in the Law School as shown on page 207 to the amount of thirty hours, and thus complete the work for the collegiate bachelor's degree. Students electing such courses continue their registration in the College of Liberal Arts, but they pay the fees of the Law School.

Students transferring from other colleges with three years of credit aggregating on the records of this College not less than seventy-two hours, and registering for degrees in both Liberal Arts and Law, may fulfill the residence requirement in the College of Liberal Arts by the completion of three courses aggregating not less than eighteen hours, taken in the class rooms of the College of Liberal Arts in Evanston, provided that in all cases the prescribed courses for a degree (see page 78) are met and that Law courses and College courses are carried concurrently.

A full four year-course in College is recommended by the faculty of the Law School as preparatory to the study of law, and students are urged in any case to complete as much as possible of a full College course before entering the Law School. The following program, which meets the requirements for a bachelor's degree, is suggested by the Law School faculty as best adapted to the needs of Law students:

First Year—Mathematics A1; English Language A; Latin A; Chemistry A or Physics A; History A.

Second Year—English Literature A; German A; English Language B; Latin B; History B, C, or BC; Economics A.

Third Year—English Language F; History H and N or S1; Economics B6 and C3.

Fourth Year—Latin D; English Language I; Elocution A; English Literature D, H, or I; History E, H1, or K; Philosophy A1 and A2; Economics C1 and C2; Psychology A1, B1.

PREPARATION FOR THEOLOGY

Students in the College of Liberal Arts who have sixty semester hours of credit and who wish to shorten the time for securing degrees in Arts and Theology, may elect the courses in Garrett Biblical Institute enumerated on page 304 to the amount of thirty semester-hours, thereby reducing the time for the two degrees by one year.

Since exegesis is an important part of a theological course, students contemplating the study of Theology should secure while in College a ready command of the Greek and Hebrew languages. A knowledge of German also will prove serviceable.

PREPARATION FOR DENTISTRY

Students in the College of Liberal Arts who intend to take up the study of Dentistry are advised to pursue courses in Latin, English, Mathematics, and the Sciences, including Physics. Those who have completed Zoölogy D, Zoölogy C, Chemistry A, and Chemistry B, will be given advanced credit in the Dental School for Physiology a, b, c, d, Histology a, b, c, and Chemistry a, b, c, g.

PREPARATION FOR PHARMACY

Students who have secured ninety semester hours of credit in the College of Liberal Arts, including the prescribed courses for a degree, and the requirements for a major and a minor, may enter the School of Pharmacy, and fulfil the total requirements for the bachelor's degree by satisfactorily completing the work of the first year in the course for the degree of Pharmaceutical Chemist.

Credit in the College of Liberal Arts for work done in the School of Pharmacy may not exceed thirty semester-hours, and it may not include any items for which credit in the College has already been secured. Students taking work in the School of Pharmacy must pay the fees of that school.

PREPARATION FOR BUSINESS OR THE PUBLIC SERVICE

Students preparing for a business career or wishing to enter the public service will find ample opportunity for study along helpful lines in the departments of Economics and History. The program of required studies for the bachelor's degree permits the student to devote to special study in these departments nearly the whole of the third and fourth years, and some time also in the first and second years.

The following schedule of courses is suggested for such students:

First Year—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; Chemistry A or Geology A1, 4 hours; History A, 3 hours.

Second Year—German or French, 3 hours; English Literature A, 2 hours; Economics A, 3 hours; History, 3 hours; Elective work, 4 hours.

Third Year—Physics or other science, 4 hours; Spanish, 3 hours; History, 3 hours; Economics, 5 or 6 hours.

Fourth Year—History, 3 hours; Economics, 6 hours; Geology A2, 4 hours; Elective work, 3 hours.

PREPARATION FOR FOREIGN DIPLOMATIC SERVICE

Students who wish to prepare for the consular or other foreign service will find ample opportunity for helpful study in the departments of Modern Languages, Economics, and History. The program of required studies for the bachelor's degree permits the student to devote to study in these departments a very large proportion of his time.

Students preparing for the foreign service are advised to secure a good reading knowledge of two modern languages besides English, an acquaintance with the elements of two sciences, and a thorough grasp of those subjects required in the United States' consular examinations. The most important of these are: French, German, or Spanish; the resources, commerce, history, and government of the United States; the elements of political economy, trade statistics, and international, commercial, and maritime law; political and commercial geography; modern history since 1850, and diplomacy of Europe and the Far East.

The following schedule of courses is suggested for such students:

First Year—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; Chemistry A, 4 hours, or Geology A2, 4 hours; History A or E, 3 hours.

Second Year—German or French, 3 hours; English Literature A, 2 hours; History BC, 3 hours; Economics A, 3 hours; Elective Work, 4 hours.

Third Year—Physics or other science, 4 hours; Spanish, 3 hours; History G, 3 hours; History N, 3 hours; Economics B2, 3 hours.

Fourth Year—History K, European Diplomacy, and S1, American Diplomacy, 4 hours; Economics B6, Administration, 3 hours; Economics B7, Resources and Foreign Trade of the United States, 2 hours; Economics C2, Public Finance and Taxation, 2 hours; or Economics C3, Money, Banking and Corporation Finance, 2 hours; Elective Work, 3 hours.

PREPARATION FOR TEACHING IN SECONDARY SCHOOLS

Students expecting to teach in secondary schools will find it advantageous to elect in College a considerable number of courses having a professional bearing. A major should be taken in the department in which the student wishes to be specially qualified, and a minor, or if possible a second major, in a closely related department. Beginners in high schools are frequently required to teach more than one subject and it is a wise precaution to be qualified in at least two departments. The courses in the Department of Education are designed to meet the needs of students seeking an acquaint-

ance with the progress of education and the development of educational theory as liberal culture as well as for those desiring professional training for teaching.

The following schedule is suggested for prospective teachers:

First Year—English Language A, 3 hours; Mathematics A1, 3 hours; two of the following: Latin A, Greek A, French A, German A, 6 hours.

Second Year—English Literature A, 2 hours; Education A, General History of Education, 3 hours; Science, 4 hours; Elective, including a course in the major subject and also a course in the minor subject, 7 hours.

Third Year—Psychology A, General Psychology, 3 hours; Psychology B2, Educational Psychology, 2 hours; Education B or J, 3 hours; major subject, 3 hours; minor subject, 3 hours; Elective work, 3 hours.

Fourth Year—Education K or D, 3 hours; major subject, 6 hours; Elective work, which may well include work to complete a second major, 7 hours.

Special Testimonial for Prospective Teachers—To meet the increasing demand on the part of School Boards for teachers who have had professional training, the College Faculty has authorized the issuance from the Registrar's Office, on request, of a testimonial supplementary to the Bachelor's diploma, bearing the signatures of the Registrar and the Secretary of the Faculty, and certifying that the applicant has completed with satisfactory credit certain enumerated courses in Education and Psychology. The testimonial further specifies the department or departments in which the applicant has completed the major or minor requirement, and which he is deemed competent to teach.

Only those persons are eligible to this testimonial who have completed the requirements for a degree, including at least the minor in Education, and one course in Psychology.

Requirements for Degrees

BACHELOR'S DEGREE

The degrees of Bachelor of Arts and Bachelor of Science are conferred on the recommendation of the faculty of the College of Liberal Arts subject to the following provisions:

1. The candidate for a Bachelor's degree must have pursued studies in residence in the College of Liberal Arts of Northwestern University for at least one college year before the degree is conferred.

2. He must file with the Registrar, on or before the last Saturday in May in the year next preceding that in which he expects to obtain the degree, an application for such degree on a form provided by the University.

3. He must complete all the prescribed courses for the degree sought, and, in addition, elective courses sufficient to make a total credit of one hun-

dred and twenty hours. The courses completed must include the major work in at least one department and the minor work in at least one other department.

4. Of the total credit presented for the degree, not more than one-fifth of the work done under the College Faculty may be of grade D.

5. No student who has not removed all entrance conditions by the first of October in any year and secured on record a total of at least eighty-four hours of credit including the required studies of the first year can be recognized as a candidate for a degree at the close of that year.

6. No student against whom complaint has been made that bills for purchases or for contracts made by him, remain unpaid, will be recommended for graduation until satisfactory evidence is presented that such bills have been adjusted or that the claims on which they are based are unwarranted, and no student who is delinquent in the payment of tuition or other fees, or against whom the University holds unpaid notes for tuition or other indebtedness, will be given a diploma of graduation until such indebtedness has been fully paid.

Prizes and Honors

SCHOLARSHIPS

University Beneficiary Scholarships—The University annually awards a number of beneficiary scholarships to meritorious students who, except for such help, would be unable to continue their studies. A satisfactory standard of conduct and scholarship is essential to an award and pecuniary need is taken into consideration. These scholarships cover the whole or a part of the undergraduate tuition and applications must be made not later than the first day of May.

Methodist Episcopal Church Scholarship—This scholarship, yielding annually the interest on seven hundred and fifty dollars, was founded by the First Methodist Episcopal Church of Evanston for the benefit of a student member of that church, and is awarded by the officers of the church.

University Guild Scholarship—This scholarship, founded by the University Guild of Evanston, affords to a young woman an income equal to the College tuition fee. The holder is responsible for certain duties in the Guild Rooms.

First Year Scholarships—Fifty scholarships are awarded annually to select members of the freshmen class, upon applications endorsed by the principal and faculty of the secondary school from which the applicant graduates. The applicant must meet the full entrance requirements to College and must present certificates from the teachers in his secondary school for excellence of character, physical vigor, manliness, and promise of usefulness as a citizen. The award is made at the University by a committee of the College faculty.

Colonial Dames Scholarship—To encourage the study of American History and to promote the spread of American principles among the youth of Chicago, especially among those of foreign birth or parentage, the Society of the Colonial Dames of America in the State of Illinois has established a scholarship affording to the holder one hundred and fifty dollars annually. Competition for this scholarship is open to graduate and advanced undergraduate students and the award is based on a knowledge of American History and the ability to interest others in that study. The successful contestant is required to conduct a class in American History and Civil Government one evening a week, for boys and young men in Northwestern University Settlement, Chicago. At the time the award is made candidates shall have completed Courses H and BC in History, and they shall pass a qualifying examination in the subject matter of these courses. The award shall be made on the basis of this qualifying examination and the general fitness of the candidates to meet the aims of the scholarship.

HONORS AND DISTINCTIONS

The following system of honors and distinctions has been adopted as an incentive to high scholarship:

1. At the close of the freshman year the names of one-fourth of the students promoted to the sophomore class, those making highest scholarship records,—one-fourth of the men and one-fourth of the women—shall be posted in alphabetical order as receiving honorable mention for the work of the year; and, in addition, the ten men and the ten women having highest rankings shall receive special marks of distinction. In computing standings all work done by the student in college courses, and only such work, shall be taken into account.

2. At the close of the sophomore year the names of one-sixth of those who have secured thirty hours of credit during that year and have been promoted to the junior class—one-sixth of the men and one-sixth of the women—shall be posted as in the case of freshmen, as receiving honorable mention for the work of the year, and in cases of pre-eminent merit "highest honors" may be awarded. In computing these standings only work done under the Faculty of the College of Liberal Arts shall be taken into account.

3. For general excellence throughout the full course, a degree may be conferred "with distinction" or "with highest distinction," and such award shall be recorded on the candidate's diploma and shall be entered in the catalogue of graduates. A degree "with highest distinction" may be given to not more than five per cent of those completing the requirements for a bachelor's degree in any one year—five per cent of the men and five per cent of the women—and a degree "with distinction" may be given to not more than the next following ten per cent.

4. Junior and Senior honors may be awarded for distinguished scholarship in two or more departments, and these shall be announced at Com-

mencement. Any department of instruction may designate certain courses, or sections within courses, as "Honor Courses" or sections, which a candidate for Junior or Senior honors shall take as preparation for special examinations for such honors. For "Junior Honors" the candidate must have done special work in at least two departments, and for "Senior Honors" in at least three departments, these departments to be selected by the candidate with the approval of his adviser. The supplementary examinations for honors shall be determined and administered by a special committee appointed from the departments concerned.

PRIZES

The following prizes are open to candidates for a degree in the College of Liberal Arts. A successful contestant may not compete a second time for the same prize. Unredeemed failures in more than one department of study at the time for appointing contestants disqualify a student from competing for any prize.

The John B. Kirk Prize in Oratory—This prize of one hundred dollars was established in 1877 by Mr. James Kirk of Evanston, and is now the gift of Mrs. John B. Kirk. It is awarded each year for excellence in original oratory, under the following regulations:

1. Orations submitted in competition must not exceed two thousand words and must be typewritten.
2. They must be deposited with the Registrar not later than noon of the third Saturday of January.
3. Any student of the University who has not received a bachelor's degree is entitled to compete.
4. The four contestants receiving from a committee of the Faculty the highest marks in thought and composition for their original orations shall receive the sum of fifteen dollars each and shall be entitled to participate in a public contest.
5. The public contest shall be held on the evening of the second Friday in March. The contestant who receives the highest marks in this contest, special emphasis being laid upon interpretation and delivery, shall receive the additional sum of forty dollars and shall be entitled to represent the University in the Northern Oratorical League.
6. The successful competitor in the public contest shall be known as the Kirk Prize winner, and the names of the remaining three contestants shall appear in the University publications as receiving honorable mention. The winner of the Kirk Prize shall present to the donor a typewritten copy of his oration.

The Harris Prize in Political and Social Science—A prize of one hundred dollars, the gift of Mr. Norman Wait Harris, of Chicago, is awarded to the writer of the best essay on an assigned topic in the department of Economics, Finance, and Administration.

1. No undergraduate student is eligible for this prize unless he shall have completed at the time of making the award the equivalent of Course A and at least three additional year-hours in Economics.

2. Essays offered in competition must contain not less than ten thousand words, and be either printed or typewritten. If typewritten, they must be on letter paper of a good quality, of quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title-page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the real name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the University, and the essay receiving first place shall have endorsed upon it a certificate of that fact.

4. An essay submitted in competition must be deposited with the Registrar of the College before twelve o'clock noon on the first day of May.

5. The Faculty appoints three judges and the award is made for the essay declared to be the best by at least two of the judges, provided that the University reserves the right to make no award if, in the opinion of the majority of the judges, the best essay shall not be of sufficient merit.

The Gage Debate Prizes—Prizes aggregating one hundred dollars are given annually by the Honorable Lyman J. Gage for excellence in debate.

The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The winners of the Gage prizes become the representatives of the University in the annual contest of the Central Debating League.

The Sargent Prizes in Public Speaking—Two prizes of fifty and twenty-five dollars, respectively, endowed by Mr. George M. Sargent, of Evanston, are given for excellence in public speaking, at a contest held on the third Friday of February.

1. Eight candidates are appointed by the Faculty from students who have completed not less than fifty hours of college work including Elocution B.

2. At least one of the prizes must be given for an oratorical effort. A declamation may not exceed twelve hundred words.

3. No prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration.

4. The award is made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

The Orrington Lunt Prize—A prize of one hundred dollars, established in 1908 by Cornelia Gray Lunt, in memory of her father, Orrington Lunt, is

awarded annually to the writer of the best essay on a subject in the departments of English Literature and History. The subject is assigned in the respective departments in alternate years. At the time of the award, the writer must have completed the major course of study in the related department. The essay should be typewritten, signed by an assumed name, and accompanied by the real and the assumed name in a sealed envelope. It must be deposited with the Registrar not later than May 1. If no essay of sufficient merit is presented, the prize will not be awarded.

General Regulations

REGISTRATION

Every undergraduate student is required to register in person at the office of the Registrar before entering upon College work.

The registration days are the first Tuesday, Wednesday and Thursday of each semester. A student not registered at the close of this period is subject to a fee of two dollars for later registration.

On the registration days of the first semester the student must register for the work of the whole year. Changes may be made only with permission from the Committee on Registration and from the student's adviser. A course dropped without permission is regarded as a failure and is so recorded.

Each student is required to register for fifteen hours of work a week, unless permission has been obtained from the Committee on Registration to register for less or more. Prescribed studies take precedence of elective studies in the order in which they are prescribed. Two hours of laboratory work are credited as one hour. No credit is given for work not regularly registered.

Permission to register for more than fifteen hours will not be granted unless the committee is satisfied that the student can carry the whole work creditably. A student engaged in outside work making a serious drain on his time or energy may not register for more than twelve hours.

If entrance conditions are not removed before the beginning of the second year of residence, the work necessary to fulfill the entrance requirements must be included in the regular registration for that year, and the total registration may not exceed sixteen hours.

Before completing his registration, the student is required to consult his faculty adviser and his registration papers must state the full amount of work to be undertaken each semester, whether in the College of Liberal Arts or elsewhere, and must indicate the number of hours devoted to each subject, and the school or department in which it is to be taken.

Students of the College of Liberal Arts desiring to take work in another School of the University must first obtain consent from the faculty of the College of Liberal Arts and from the faculty of the School in which the work is to be taken, and they must file such consent with the Registrar before beginning the work. Failure to comply with this regulation will be deemed sufficient cause for cancellation of the entire registration.

At the time of registration the student obtains from the Registrar his tuition bill for the semester. This must be presented immediately at the Business Manager's Office for payment.

CLASSIFICATION OF STUDENTS

Students in the College of Liberal Arts are grouped into four classes according to their credits in the office of the Registrar. The basis for this classification is as follows: Students with not less than eighty-four semester hours of credit, who have completed all the courses prescribed for the first two years for the degree of Bachelor of Arts or Bachelor of Science, are ranked as Seniors; students with not less than fifty-four semester hours of credit, who have completed the work required for the first year, are ranked as Juniors; students with not less than twenty semester hours and with no entrance conditions are ranked as Sophomores; all others not registered as Special Students are classified as Freshmen, without regard to the date of admission.

EXAMINATIONS

Regular Examinations—These are held at the close of each semester in the studies of that semester. Any student whose daily work has not been satisfactory may be excluded from examination at the option of the instructor.

Second Examinations—These are set for students who have been absent from a regular examination, or who have failed to receive a passing grade at a regular examination. Second examinations are held on the first Wednesday in the first semester, on the first Saturday in the second semester, and on the Monday following Easter.

No student may take more than one second examination for the same item of credit, and such second examination must be taken within nine months from the date of the regular examination at which credit should have been obtained. Students absent from the regular examinations of the first semester are admitted to the second examinations held in February, only in case of illness or other urgent necessity, and by consent of the instructor in charge.

Qualifying Examinations—Students absent from class exercises in excess of the limit are required to take qualifying examinations on the Saturday next preceding the regular examinations in each semester. Students absent from a required qualifying examination are held to take that exami-

nation at the next date set, and no credit can be given for the course until this examination is passed.

Special Examinations—Examinations may not be given at times other than those specified above without permission of the Faculty. For any examination given out of regular time a fee of two dollars is charged.

GRADES OF SCHOLARSHIP

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is entered of record. Standing is expressed, according to proficiency, in grades A, B, C, D, E, F.

Grade A denotes superior scholarship; grade B, good scholarship; grade C, fair scholarship; grade D, poor scholarship; grade E, a condition which may be removed by a second examination; grade F, a failure removable only by repetition of the subject in the class. Work of grades A, B, and C is counted toward a degree. Work of grade D may also be counted toward a degree, but not more than one-fifth of the work done under the College Faculty offered to meet the requirements for graduation may be of this grade and no work of this grade may be counted toward a major.

Work reported as of grade E must either be made good at a second examination within nine months, or be taken again in the class-room if credit is to be obtained, but work of this grade cannot be raised by examination to a grade higher than D. Work of grade D cannot be raised to a higher grade by examination.

Work reported incomplete at the end of any semester, and not made good before the close of the next semester, can thereafter be given credit only upon a second examination taken within the limit of time defined for such examinations.

Students who do not take the regular examination in any subject at the close of the semester are reported absent, and credit for that subject can be obtained only by passing a second examination within nine months, and only one such examination is allowed.

Undergraduates are not allowed credit for work done *in absentia*. Only those who have duly registered and have regularly pursued their studies in attendance at class are admitted to examinations.

The semester records of undergraduates are sent by the Registrar to the student's father or guardian.

If at the close of any semester a student fails to secure credit for as much as forty per cent of the work undertaken by him in that semester, such credit to be of a grade not lower than C, he must withdraw from college unless his registration is subsequently restored upon the recommendation of his adviser with the approval of the Committee on Delinquent Students.

CLASS ATTENDANCE AND ABSENCES

Students are expected to attend all the regular exercises of the courses for which they are registered, and instructors report all absences to the Registrar's office. Absence from class work for any cause is a loss to the student and is so treated by instructors in making up their semestral reports.

If in any semester a student is absent more than twice in a one-hour course, or three times in a two-hour course, or four times in a three-hour course, or five times in a four-hour course, or seven times in a five-hour course, he will be required to pass a qualifying examination on a fixed day, before being admitted to the regular examination in that subject at the close of the semester.

If a student is absent in any semester more than three times in a one-hour course, or four times in a two-hour course, or six times in a three-hour course, or eight times in a four-hour course, or ten times in a five-hour course, his registration in that subject is canceled and he is denied examination and credit. This rule is administered by the Committee on Registration, which has power to restore the canceled registration if the absences are deemed legitimate; such restoration, however, does not remove discredit for loss of work due to absence, nor release from the qualifying examination.

A student who is absent from a class on the day next before or the day following any recess except the long summer vacation, shall be held for the qualifying examination without regard to the number of his absences at other times. If such an absence occurs in addition to delinquency under the regular rule for absences the student's registration is thereby canceled and may be restored only on approval by the Committee on Registration.

PARTICIPATION IN PUBLIC CONTESTS AND EXHIBITIONS

1. A student who fails to receive credit for as much as twelve hours for the work of any semester, shall not participate in any intercollegiate game or oratorical or other contest or exhibition, during the next semester of his college residence.

2. No student who is subject to exclusion from college under the forty per cent scholarship rule shall participate in any intercollegiate game or oratorical or other contest or exhibition, in the next succeeding semester of his college residence.

3. No student shall participate in any intercollegiate game or oratorical or other contest or exhibition who is not at the time successfully carrying at least twelve hours of work, except in the case of seniors, where less than twelve hours will meet the requirements for graduation.

4. In operating these rules incomplete records due to conditions over which the student has no control may be adjusted at the discretion of

the Committee on Delinquent Students, and the rules shall not be construed as debarring a freshman student in the first semester who is regularly registered and carrying twelve hours of work from participation in the regular freshman intercollegiate contests and activities.

SOCIAL ENTERTAINMENTS

Permission for a party or social entertainment at which men and women are to be present, to be held by an organization or group of students, must be obtained beforehand from the Committee on the Social Life of Students. The conditions under which the party or entertainment is held are subject to the approval of the committee.

RESIDENCE

Men students find comfortable homes in private families within easy reach of the College. Some live in chapter houses, maintained by the fraternities.

Women students, wherever they reside, are under the supervision of the Dean of Women and are expected to conform to the general regulations prescribed for the conduct of those living in the Halls. They are required to room in one of the Halls provided for them, unless special exemption is granted.

Willard Hall, the largest of the three women's dormitories, is under the immediate oversight of the Dean of Women, who lives in the building. For information respecting Willard Hall inquiries should be addressed to Willard Hall, Evanston, Illinois.

Pearsons Hall and Chapin Hall are in charge of an association of women residents in Evanston, incorporated as the Woman's Educational Aid Association. This Association considers the claims of applicants for admission and has a friendly supervision over the residents. The lighter housework of Pearsons and Chapin Halls is done by the young women residing in them, under the direction of a competent matron. In this way the expenses of living are materially reduced. For information respecting Pearsons Hall or Chapin Hall, inquiries should be addressed to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston, Illinois.

The Library

The Library contains 81,800 bound volumes and approximately 60,000 pamphlets. It is open to officers of the University, and to students upon the payment of their regular semester bills, under the following regulations:

1. During the college year the Library is open, except on Sunday, from 8 a.m. to 10 p.m. In the summer vacation, except on Saturday afternoon

and on Sunday, it is open from 8 a.m. until 12 noon and 1:30 p.m. to 5 p.m. The Library is closed on New Year's Day, the Fourth of July, Thanksgiving Day and Christmas Day.

2. Officers of the University have direct access to the shelves and are entitled to the first use of books.

3. Students may draw from the Library three volumes at a time, and these may be kept for two weeks unless specially restricted. Graduate students may have six volumes at a time.

4. The book stacks are not open to the students in general or to the public; but cards of admission may be given by the Librarian on recommendation of an officer of instruction.

5. Reserved books in the reading room and the seminary rooms are withdrawn from circulation at the request of officers of instruction for the use of their classes. The books reserved in the reading room and other books of reference, are placed on open shelves freely and equally accessible to all readers; or, when much in demand, they are kept at the desk, and delivered on application there. These books are on no account to be taken from the reading room, and must be used with due regard to the rights of others.

6. Persons not members of the University are allowed the use of the reading room at the discretion of the Librarian. Persons introduced by an officer of the University may be permitted to take books for a short period on the officer's account, or may be granted the privileges of the Library upon written application endorsed by an officer of the University

The Gymnasium

The new gymnasium, recently erected, at a cost of approximately $300,000, through the generosity of Mr. James A. Patten of Evanston, is one of the largest and best equipped in the country.

Regular classes are under the supervision of competent instructors and are open to men and women. The student upon entering gymnasium classes undergoes a physical examination, and his health, strength, muscular development, and physical defects are carefully noted. From these data, exercises, based on scientific principles, are prescribed to meet his individual needs and to give increased health, strength, and symmetry of body. See courses in Physical Training.

Athletics

Athletic exercises and games participated in by students are under the supervision of the Director of Athletics and a Committee of the Faculty. The care and equipment of the athletic field, tennis courts, gymnasium, and the cost of necessary supplies and apparatus for athletic teams are provided for by the University.

Intercollegiate contests are governed by the regulations of the Western Intercollegiate Conference, of which the University is a member.

For a description of Northwestern Field see page 45.

Religious Worship

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution."

Students of the College of Liberal Arts are expected to attend public worship on Sunday in the church of their choice.

Chapel service is held at ten o'clock on each week day, except Saturday, throughout the college year. Attendance upon at least three-fifths of these services is required.

When a student's record of chapel credits is deficient as many credits as he is expected to secure in one-half of a semester, his registration in all studies is canceled, and it may be restored only on the recommendation of the faculty committee on chapel attendance.

Government

Students are temporary residents of the City of Evanston, and as such are amenable to the laws of the state and to the ordinances of the city. They are also subject to the rules and regulations made by the Faculty and are held to have a knowledge of all Faculty requirements published in the catalogue, or otherwise brought to their attention.

Students may be separated from the institution whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or to the University. The University will tolerate neither idleness nor dissolute habits.

Student Organizations

Fraternity Membership—In order that the intimate friendships properly existing among members in fraternities may be formed more deliberately, and that the young student may have time to become adjusted to his new surroundings before establishing life-long social relations, the Faculty with the co-operation of the fraternities has adopted the following rule applicable alike to men and women students.

No student in the College of Liberal Arts may become a member of a fraternity until he shall have procured from the Dean a statement certifying that he has met the following requirements: 1. That he has been regularly enrolled as a College student for at least one semester; 2 That

during such enrollment he has secured on record at least ten semester hours of credit, of which not more than five hours are of preparatory grade.

Students transferring from other colleges shall not be held to the requirement of a semester's residence provided they present advanced credit for as much as ten hours in addition to meeting the full entrance requirements; but excess credit from a secondary school will not release a student from this requirement, and in all cases the Dean's certificate must be procured.

Musical Clubs—Student musical organizations are under the supervision of a standing committee of the Faculty. The chairman of the committee must be informed of the intended organization of any such association, and must be furnished with a statement of its plans, purposes, and membership. Formal organization is not permitted without the knowledge and sanction of the committee. Business managers of such organizations must not make arrangements for public appearances of the clubs without the consent of the committee. Concert dates will not be permitted to interfere with examinations, or to interrupt the routine of study. Students with delinquent standing are not allowed to retain connection with musical organizations.

Northern Oratorical League—The oratorical associations of Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, the University of Chicago, the University of Minnesota, and Oberlin College compose the Northern Oratorical League. The purpose of this organization is to promote an interest in public speaking and to elevate the standard of oratory, by holding annual contests. The contests of the League are open only to undergraduates.

Central Debating League—The students of the University of Michigan, the University of Chicago, and Northwestern University are organized into a debating league in which representatives of each university meet annually, in January, representatives of each of the others in public contest. In these contests a single question is debated each year.

The Hinman Literary Society—This society was organized in 1855, during the first year of the work of the college, and has had a continuous existence. It was named in honor of the first President of the University, the Reverend Clark T. Hinman. It meets on Tuesday evenings throughout the year.

The Adelphic Literary Society—This society was first organized prior to 1867, and maintained a prosperous existence for over twenty years; it then ceased to be active, but was reorganized in 1897. It meets on Thursday

evenings. Two prizes of twenty and fifteen dollars, the gift of Dr. M. C. Bragdon of the class of 1870, are competed for annually by its members.

The Rogers Debating Club—This society was organized in 1897, and was named in honor of Henry Wade Rogers, then President of the University. It meets on Thursday evenings. Three prizes, the gift of Mr. William Deering, are offered annually for competition among its members.

The Cleosophic Literary Society—This society for men was organized in 1905. Besides the weekly program of the society, a prize competition in debate is held annually.

Alethenai and Eulexia Literary Societies, for women, were organized in 1903.

Anonian, Kalethia, and Laurean Literary Societies, for women, were organized in 1905.

The Aleph Teth Nun Society is an organization of men for the study of political and social problems. It meets weekly and is frequently addressed by persons prominent in public life.

Christian Associations—A Young Men's Christian Association and a Young Women's Christian Association are in active operation in the College, and exert a helpful influence upon the religious life of students. The Men's Association has headquarters at the Gymnasium, and the Women's Association, at Willard Hall. Each association employs a general secretary and maintains a bureau of self-help for students seeking employment. Under the direction of these organizations, religious meetings are held each week, and study of the Bible is promoted.

For a list of the officers of the Christian Associations of the College of Liberal Arts, see University Societies, page 321.

As auxiliaries to the Christian Associations there have been organized two societies—the Student Volunteer Band, composed of young men and women who have volunteered for foreign missionary service, and a society known as the Oxford Club whose membership is composed of young men preparing for Christian service as ministers or as Association secretaries.

The Woman's League—The Woman's League is an organization having as its purpose the consideration of matters of interest to college women. It is composed of women students, alumnæ, and other women actively interested in the University.

Fees and Expenses

Matriculation Fee—Every student on first entering the College of Liberal Arts is required to pay a matriculation fee of five dollars. This fee is paid but once and is not returnable.

Fees for Undergraduates—At the beginning of each semester undergraduate students are required to pay fees for instruction and incidentals as shown in the following table. Upon payment of his semester bill the student is entitled to all the general privileges of the College. He may take any course for which he is qualified under the regulations affecting registration, but in certain laboratory courses he is required to pay additional fees as shown below.

SCHEDULE OF UNDERGRADUATE FEES FOR EACH SEMESTER

Regular full tuition and incidentals.....$50.00
Sons and daughters of ministers..... 30.00

This reduced rate of tuition is granted only to sons and daughters of clergymen who are actively pursuing the work of the ministry.

Students pursuing a single study, i. e., work not exceeding five hours a week..... 30.00
Sons and daughters of ministers pursuing a single study..... 22.00
Holders of old-time perpetual or transferable scholarships, for incidentals..... 22.00

Fees for Students Registered in two Schools—A student whose primary registration is in another School of the University, or in Garrett Biblical Institute, pays the fees of that department and may register in the College of Liberal Arts for such courses as may be approved by both faculties concerned without additional fees for tuition. The matriculation fee is paid but once, on the student's first admission to the University, but laboratory and other special fees are chargeable for any courses taken. Students in the Evanston Academy taking courses in College not required for admission, pay regular college fees.

Laboratory Fees—Students pursuing laboratory courses are charged additional fees to cover the cost of materials and the use of special apparatus. They are not refunded if the student continues in a course as long as ten days, except that in the Chemical Laboratory the fee is in the nature of a deposit, and an account is kept of the material used, the unexpended balance at the end of the year, being returned to the student. In all departments students are chargeable for unnecessary breakages. The laboratory fees for each semester are as follows:

BOTANY

Any course.....$ 2.00

CHEMISTRY

Course A	7.50
Other courses except Courses B3, B4, C4, and E, each	9.00
Two courses taken concurrently	15.00

GEOLOGY

Course A1, A2, A3, C3, or C4	2.00
Course B4	5.00

PHYSICS

Course A or B	2.00
Course C	3.00

ZOÖLOGY

Course A	3.00
Course B1, B2, B3, C, or D	2.00

Fee for Late Registration—A fee of two dollars is charged students registering after the regular dates.

Fee for Special Examinations—A fee of two dollars is charged for each examination taken at a time other than that provided in the regular schedule.

Graduation Fee—A fee of ten dollars is charged persons taking any degree in the College of Liberal Arts. This fee is payable on the first day of May of the year of graduation.

Refunds—No fees for instruction or incidentals will be refunded except in cases of sickness. If on account of his serious illness a student withdraws before the middle of a semester, one-half of his tuition fee will be refunded, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health will not permit him to remain in attendance. Application for a refund must be made before the close of the semester for which the fee was paid.

Bills for fees are made out at the Registrar's office in University Hall. Payment is made at the Business Manager's Office, 518 Davis Street, Evanston. Checks should be made payable to "Northwestern University," and all payments should be made in currency or in Chicago exchange.

BOARDING AND LODGING

Students living in Willard Hall pay for board and room from $225 to $261 a year, according to the desirability of the room. Bills are payable quarterly in advance. Applicants for rooms sign a contract, guaranteed by some responsible person not a college officer, to occupy the assigned room for the full college year or to secure a suitable substitute. A deposit of ten dollars is required at the time a room is assigned. This amount will be refunded at the end of the year or when the depositor has fulfilled her contract, or if the room is surrendered before the first of August five dollars will be refunded.

Bills for room and board are payable strictly in advance, and no deduction is made for absence, except in case of protracted illness.

Pearsons Hall and Chapin Hall are residences for women students of limited means, and applications for admission must be made to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston. In these halls students pay for board and room $145.00 a year, in quarterly installments, at the beginning and at the middle of the semester, and five dollars additional when the room is reserved. They are required to assist in the lighter housework.

Young men obtain board and lodging in private families at reasonable rates. Clubs are formed in which the cost of board is reduced to a minimum.

ESTIMATED ANNUAL EXPENDITURES

	LOW	AVERAGE	LIBERAL
Tuition fees	$100	$100	$100
Laboratory and other fees	5	10	20
Board, 36 weeks	126	144	180
Room, 9 months	45	72	108
Laundry	24	36	45
Text-books and stationery	10	18	35
	$310	$380	$488

LOAN FUNDS

The University receives annually a considerable sum of money to be loaned without interest to worthy students. Loans are made upon the recommendation of the Committee on Loan Funds. Satisfactory scholarship and promise of service are essential to securing such assistance. Loans cannot in general be made until the student has been in residence in College for at least a half year.

SELF-SUPPORT OF STUDENTS

The University does not encourage students to enter college if entirely without resources. Especially is it undesirable that young women should enter college without funds if wholly dependent on their own efforts. It happens, however, every year that not a few students are able to help themselves materially by their labor, while pursuing studies. The Young Men's and the Young Women's Christian Associations conduct bureaus of self-help which are of assistance every year in securing work for a large number desiring it. Inquiries sent to the Secretary of either Association receive careful attention.

For further information in regard to the College of Liberal Arts, address the Dean of the College, Evanston, Illinois.

For blank forms of admission and for information regarding entrance requirements and matters of record, address the Registrar of the College of Liberal Arts, Evanston, Illinois.

Graduate School

The Graduate School is organized to promote and harmonize graduate study within the University. It is under the direction of a Board of Graduate Studies representing the several schools in which graduate courses are offered. This Board determines the conditions of admission as graduate students and announces the courses of study under the various faculties which are recognized as graduate courses counting toward advanced degrees. It prescribes the regulations under which advanced degrees are conferred and recommends candidates for such degrees.

The Board of Graduate Studies for 1910-1911 is composed of the following members:

Professor Thomas F. Holgate, Chairman

Professor John H. Long	Professor J. A. Scott
Professor Hatfield	Professor Brown
Professor Crew	Professor W. D. Scott
Professor Clark	Professor Hotchkiss
Professor Wigmore	Professor Curtiss
Professor Locy	Professor J. G. Wilson
Professor James	Professor Hayford
Professor Baillot	Professor Page
Professor Grant	Professor O. F. Long
Professor Mix	Mr. Crossley

ADMISSION AS GRADUATE STUDENTS

Any person who has received a bachelor's degree from a college or scientific school in good standing may be admitted to this University as a graduate student on presentation of proper certificates of character and qualification. Admission to the rank of graduate student does not, however, imply candidacy for a degree in any stated time, and such candidacy can only be determined after a consideration of individual merits. Applications for admission should be addressed to the Chairman of the Board of Graduate Studies, University Hall, Evanston.

REGISTRATION

Candidates for an advanced degree must register in person with the Chairman of the Board of Graduate Studies not later than the tenth of October next preceding the date of the final examination. Persons who are not candidates for a degree may register at other times, subject to approval by the Board.

A candidate for an advanced degree must furnish the necessary data for the proper record of his application, and a statement of the courses of study he proposes to pursue. His application and the statement of courses

must be approved by the Board of Graduate Studies and by the heads of the departments in which the work is to be taken.

Graduates of this, or of other colleges or universities, not candidates for an advanced degree, may, with the consent of the departments concerned and the approval of the Board of Graduate Studies, register as resident students in such advanced studies as they are found qualified to pursue.

A graduate of a professional school desiring to become a candidate for a Master's degree, under Rule 3 below, must register in the Graduate School as early as the tenth of October next following the completion of the professional course.

Degrees

THE MASTER'S DEGREE

The Master's degree may be conferred on a Bachelor of Northwestern University, or of another institution of accepted grade, under the following regulations:

1. The candidate must have pursued studies in residence in the College of Liberal Arts or in the Graduate School of Northwestern University for at least one year, except as stated below. Residence requires regular attendance upon all prescribed lectures or other exercises in the courses which the candidate pursues, and such prescribed lectures and exercises must occur at least once a week in each course of instruction.

2. A Bachelor of Northwestern University may become a non-resident candidate for the corresponding Master's degree after having completed one-half-year of graduate work, fifteen semester hours, in residence, but in such case the remaining half-year of work, see Rule 4, below, if done out of residence, must be extended over at least two semesters. Graduates of other institutions are not admitted as non-resident candidates for a degree.

3. A Bachelor of Northwestern University, or of another institution of accepted grade, may become a candidate for a Master's degree while pursuing studies in the Medical School or Law School of this University, or in Garrett Biblical Institute, or upon the completion of the professional course in one of these schools, subject to the regulations governing registration in the Graduate School.

4. The candidate for a Master's degree must present credit of a high grade in approved courses of study amounting to thirty semester hours. If he is enrolled in one of the professional schools above enumerated, or is a graduate therefrom, he must present credit of a high grade amounting to twelve semester hours of advanced work in an approved field, in addition to the maximum prescribed professional course, such work to be taken either under the Faculty of the College of Liberal Arts or under the Faculty of the professional school, but in either case to be approved by the Board of Graduate Studies.

5. At least one-half of the work offered for a Master's degree must be chosen from a department of study in which the candidate has previously completed the undergraduate major work or its full equivalent.

6. The candidate must present a thesis on an approved topic pertaining to his primary subject. The subject of his thesis must be filed with the Registrar not later than the first Wednesday in December; and the thesis itself must be filed with the Registrar not later than the third Saturday of May. It must be printed or typewritten in prescribed form and a copy shall be furnished to the library of the College of Liberal Arts.

7. A student in the College of Liberal Arts who during his undergraduate course devotes time to the continuation of his major subject, or to other advanced topics approved by the Board of Graduate Studies, in excess of the total requirement of one hundred and twenty hours for a Bachelor's degree may, for such work receive credit toward a Master's degree; but in no case will the Master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate for a Master's degree is required, at stated times, to make written reports on the progress of his work.

9. The final examination of the candidate for a Master's degree takes place at the University at an appointed date, about May 20. The examination is conducted by a committee composed of the head of the department in which the student has done his primary work and not less than two other members of the Faculty chosen from the same or from related departments. The committee in the case of a candidate doing work in a professional school shall include at least two members of the Faculty of the College of Liberal Arts.

THE DOCTOR'S DEGREE

The degree of Doctor of Philosophy is conferred under the following regulations:

1. A candidate for the degree of Doctor of Philosophy must have received the Bachelor's degree from Northwestern University, or from some other institution of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, must be spent in residence at Northwestern University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement for major work in the direction of their proposed graduate work. Study for a specified time will in no case be regarded as sufficient ground for conferring the degree, but in all cases high attainments in scholarship and evidence of capacity for original investigation are demanded.

3. The candidate must give two-thirds of his time to advanced work in one department of study which shall constitute his primary subject, and the

remaining time to either one or two secondary subjects. The requirement "advanced work" implies preliminary study in the given subject equivalent to at least an undergraduate major in that department.

4. The candidate must have a reading knowledge of French and German as a preliminary qualification but in exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

5. The candidate must present a thesis upon an approved topic pertaining to his primary subject which gives evidence of original investigation. A revised typewritten copy of the thesis in prescribed form must be filed with the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved, the candidate must, within such time as shall be designated, present twenty-five printed copies to the University Library.

6. The final examination, which is both written and oral, is held about May 20, and covers the entire primary subject, including the topic of the thesis. The secondary subject, or subjects, may be discontinued when the candidate has fulfilled the requirements of attendance at lectures and has passed the necessary written examinations.

THE DOCTOR'S DEGREE FOR CANDIDATES IN THEOLOGY

Students in Garrett Biblical Institute may become candidates for the degree of Doctor of Philosophy under the following special regulations: The general regulations affecting examinations, theses, and a knowledge of foreign languages apply to these candidates.

1. The candidate must have completed a course for a Bachelor's degree, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and of the Board of Graduate Studies.

2. He must have completed two full years of theological study, either in Garrett Biblical Institute or in another theological school of recognized standing.

3. He must thereafter be accepted as a candidate for the degree of Doctor of Philosophy by a vote of the Faculty of the Institute, and must be registered in the Graduate School as a candidate for such degree. He must then continue in residence at least two years, and must complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute; the remaining one-third may be taken in not more than two departments of the Institute or of the College of Liberal Arts. During these two years of residence the candidate is subject to the direction of the head of the department in which his primary work is taken. The whole course of study is subject to the approval of the Board of Graduate Studies.

4. Of the four years required for a degree of Doctor of Philosophy, under these regulations three at least must be spent in residence at a theological school of high standing, and the last two must be spent in Garrett Biblical Institute.

Fellowships and Scholarships

University Fellowships—For the promotion of graduate study and research, the University awards annually ten fellowships of three hundred dollars each. These are assigned from year to year to various departments according to the merits of the applicants. Fellowships are open to men and women alike, whether graduates of this University or of other institutions, and appointments are made for one year. Fellows pay no tuition fees, but may be required to give limited assistance in the work of the department, not however, to such an extent as to interfere with the primary purpose of the fellowship. Fellows entering from other institutions pay the matriculation fee.

Applications for appointment as Fellow must be made not later than the first of April. Awards are made not later than the first of May. Blank forms for applications may be had from the office of the Registrar.

University Settlement Fellowship—This fellowship yields an income of three hundred dollars, contributed by the students of the College of Liberal Arts, and carries exemption from tuition fees. The holder is required to reside in the Northwestern University Settlement.

University Scholarships—Five graduate scholarships of one hundred dollars each are awarded annually. The holders pay the regular graduate tuition fees.

Catherine M. White Scholarships—From a bequest of nine thousand dollars under the will of Catherine M. White, of Evanston, there have been established three scholarships paying one hundred and twenty dollars each a year. The holders pay the regular graduate tuition fees.

Marcy Scholarship in Biology—The University has at its disposal a table at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the use of advanced students from the biological department of the College of Liberal Arts. The occupants of this table are entitled to all the privileges of the laboratory, including instruction, lectures, and the use of appliances and apparatus.

The American School of Classical Studies at Rome—The University is a contributor to the American School of Classical Studies at Rome, and is represented on its Board of Managers by a member of the Faculty. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the University are entitled to its advantages without tuition fees.

Prizes—The Harris Prize and the Orrington Lunt Prize are open alike to graduates and undergraduates. See pages 131 and 132.

Fees and Expenses

Matriculation Fee—A student on first entering the University is required to pay a matriculation fee of five dollars. This fee is paid but once and is not returnable.

Tuition Fees—The tuition fees for graduate students, whether resident or non-resident, are determined by the number of hours of instruction taken. The fee for a lecture, or seminary, or laboratory course is five dollars a year for each year-hour of credit; the total amount of tuition fees in any one year shall not, however, exceed forty dollars.

Laboratory Fees—Graduate students pursuing laboratory courses pay additional laboratory fees in accordance with the table printed on page 142.

Graduation Fee—A fee of ten dollars is payable by candidates taking any degree on the recommendation of the Board of Graduate Studies. This fee is due on the first day of May of the year in which the degree is conferred.

Bills for fees are made out at the office of the Registrar in University Hall. Payment is made at the office of the Business Manager, 518 Davis Street, Evanston. Checks should be made payable to "Northwestern University," and all payments should be made in currency or in Chicago exchange.

For the special bulletin of the Graduate School or more detailed information, address the Secretary of the Graduate School, University Hall, Evanston, Ill.

The Medical School

NORTHWESTERN University Medical School was organized in 1859 as the Medical Department of Lind University of Chicago; and its first annual course of medical instruction began October 9th, 1859. The active founders and permanent supporters of the school were Doctors Hosmer A. Johnson, Edmund Andrews, Ralph N. Isham, Nathan S. Davis, and William H. Byford, aided by Doctors David Rutter, John H. Hollister, F. Mahla, M. K. Taylor, and Titus Deville.

The Medical School occupied rooms in the Lind Block on the corner of Randolph and Market Streets until the fall of 1863 when Lind University released the Medical Faculty from all further obligations to remain a department of that institution. Being thrown on their own resources, the Medical Faculty erected a building on State Street near Twenty-second Street, and continued the Medical School under the name of the Chicago Medical College. In 1869 the Chicago Medical College became the medical department of Northwestern University. The College in 1870 moved its building on State Street to the corner of Twenty-sixth Street and Prairie Avenue. The building was now on the same ground as Mercy Hospital, which it adjoined. In 1890 Mercy Hospital needed the ground on which the college building stood for extensive additions and the College needed new buildings to accommodate its laboratories and growing dispensary. By the aid of Mr. William Deering land was purchased at the corner of Twenty-fifth and Dearborn Streets. Davis Hall and the present Laboratory Building were erected during 1892 on this land and were first used in the college year 1893-1894. In 1901 a splendid, fire-proof building was erected by the side of the Medical School for the use of Wesley Hospital. This building materially augmented the clinical opportunities that were available to the students in the Medical School. In 1905 the Medical School became an integral part of Northwestern University with which it had been affiliated since 1869.

Much of the success of the School is due to the benefactions of Mr. William Deering, Dr. Nathan S. Davis, and Dr. Ephriam Ingals, and to the wisdom and devotion of Dr. Nathan S. Davis, who served as Dean from 1901 to 1907.

The Medical School has been a pioneer in the advancement of medical education in the United States. It was the first American school to enforce a standard of preliminary education; to adopt longer annual courses of instruction; and to initiate, in 1859, the graded curriculum, in which the studies were assigned in logical order, and in which laboratory departments prepared the way for the practical clinical branches. The School is open to men only.

Abram Winegardner Harris, Sc.D., LL.D.
President

Arthur Robin Edwards, A.M., M.D.
Dean

Winfield Scott Hall, Ph.D., M.D.
Junior Dean

Charles Louis Mix, A.M., M.D.
Secretary of the Faculty

John Hamilcar Hollister, A.M., M.D.
Professor Emeritus of Clinical Medicine

Frank Seward Johnson, A.M., M.D.
Dean Emeritus; Professor Emeritus of Medicine and of Clinical Medicine

William Evans Casselberry, M.D.
Professor Emeritus of Laryngology and Rhinology

John Harper Long, M.S., Sc.D.
Professor of Chemistry, Director of the Chemical Laboratories

Emilius Clark Dudley, A.M., M.D.
Professor of Gynecology

John Edwin Owens, M.D.
Professor of Surgery and of Clinical Surgery

Nathan Smith Davis, A.M., M.D.
Professor of the Principles and Practice of Medicine and of Clinical Medicine

Edward Wyllys Andrews, A.M., M.D.
Professor of Surgery and of Clinical Surgery

Frank Taylor Andrews, A.M., M.D.
Clinical Professor of Gynecology

Joseph Zeisler, M.D.
Professor of Skin and Venereal Diseases

William Edward Morgan, M.D.
Clinical Professor of Surgery

Archibald Church, M.D.
Professor of Nervous and Mental Diseases and Medical Jurisprudence

Winfield Scott Hall, Ph.D., M.D.
Nathan Smith Davis Professor of Physiology

Arthur Robin Edwards, A.M., M.D.
Professor of the Principles and Practice of Medicine and of Clinical Medicine

Joseph Bolivar DeLee, A.M., M.D.
Professor of Obstetrics

John Benjamin Murphy, A.M., M.D., LL.D.
Professor of the Principles and Practice of Surgery and of Clinical Surgery

Samuel Craig Plummer, A.M., M.D.
Clinical Professor of Surgery

Albert Edward Halstead, M.D.
Clinical Professor of Surgery

Robert Bruce Preble, A.B., M.D.
Professor of Medicine

Frank Xavier Walls, M.D.
Clinical Professor of Pediatrics

Frederick Robert Zeit, M.D.
Professor of Pathology and Bacteriology

William Edward Schroeder, M.D.
Professor of Surgery and of Clinical Surgery

Thomas James Watkins, M.D.
Clinical Professor of Gynecology

Lester Emanuel Frankenthal, M.D.
Clinical Professor of Gynecology

Hugh Talbot Patrick, M.D.
Clinical Professor of Nervous and Mental Diseases

Charles Louis Mix, A.M., M.D.
Professor of Physical Diagnosis

Louis Ernst Schmidt, M.S., M.D.
Clinical Professor of Genito-Urinary Surgery

Frederick Menge, M.D.
Professor of Laryngology and Rhinology

William Augustus Evans, M.S., Ph.D., M.D.
Professor of Sanitary Science

Brown Pusey, M.D.
Professor of Ophthalmology

John Gordon Wilson, A.M., M.B., C.M.
Professor of Otology

Isaac Arthur Abt, M.D.
Professor of Pediatrics

Hugh McGuigan, Ph.D., M.D.
Professor of Pharmacology

Frederick Atwood Besley, M.D.
Associate Professor of Surgery

Stephen Walter Ranson, Ph.D., M.D.
Associate Professor of Anatomy

Charles Bert Reed, M.D.
Assistant Professor of Obstetrics

Lucius Crocker Pardee, M.D.
Assistant Professor of Skin and Venereal Diseases

Julius Grinker, M.D.
Assistant Professor of Clinical Neurology

D'Orsay Hecht, M.D.
Assistant Professor of Nervous and Mental Diseases and Medical Jurisprudence

George Paull Marquis, M.D.
Assistant Professor of Laryngology and Rhinology

George Boyd Dyche, A.B., M.D.
Assistant Professor of Medicine

Paul Chester, B.S., M.D.
Assistant Professor of Medicine

Charles Addison Elliott, B.S., M.D.
Assistant Professor of Medicine

Achilles Davis, Ph.B., M.D.
Assistant Professor of Medicine

Walter Herman Buhlig, B.S., M.D.
Assistant Professor of Clinical Pathology; Librarian

Winfield Scott Harpole, M.D.
Assistant Professor of Clinical Medicine

Joseph Brennemann, Ph.B., M.D.
Assistant Clinical Professor of Pediatrics

Robert Tracy Gillmore, M.D.
Assistant Clinical Professor of Gynecology

Harry Mortimer Richter, M.D.
Assistant Professor of Surgery

Allen Buckner Kanavel, Ph.B., M.D.
Assistant Professor of Surgery

Charles William Prentiss, Ph.D.
Assistant Professor of Anatomy

Walter Steele Barnes, M.D.
Assistant Professor of Gynecology

William Robert Cubbins, B.S., M.D.
Assistant Professor of Surgery

William Cuthbertson, M.D.
Associate in Gynecology

David Monash, M.D.
Associate in Obstetrics

Thomas Henry Lewis, M.D.
Associate in Gynecology

Henry William Cheney, M.D.
Associate in Pediatrics

Frank Ellis Pierce, M.D.
Associate in Surgery

Herbert Marion Stowe, M.D.
Associate in Obstetrics

Alexander Aaron Goldsmith, M.D.
Associate in Medicine

Luther James Osgood, M.D.
Associate in Medicine

Isaac Donaldson Rawlings, M.S., M.D.
Associate in Medicine

Robert Agedius Krost, M.D.
Associate in Pediatrics

John Gaily Campbell, A.M., M.D.
Instructor in Clinical Pediatrics

James Forrest Churchill, M.D.
Instructor in Surgery

William Clark Danforth, B.S., M.D.
Instructor in Surgery

George James Dennis, M.D.
Instructor in Laryngology and Rhinology

Edson Brady Fowler, A.B., M.D.
Instructor in Clinical Medicine

Charles Marvin Fox, M.D.
Instructor in Surgery

Frank Gephart, B.S.
Instructor in Chemistry

Thomas Haigh Glenn, Ph.D.
Instructor in Bacteriology

Julius Hays Hess, M.D.
Instructor in Pediatrics

Harry Jackson, B.S., M.D.
Instructor in Histopathology

Mark Jampolis, A.M., M.D.
Instructor in Pediatrics

William A. Johnson, Ph.C.
Instructor in Chemistry

George Thomas Jordan, B.S., M.D.
Instructor in Ophthalmology

Arthur Charles Kleutgen, M.D.
Instructor in Preliminary Medicine

Charles J. Kurtz, A.M., M.D.
Instructor in Haematology

Victor Darwin Lespinasse, M.D.
Instructor in Genito-Urinary Surgery

Walter Peter McGibbon, M.D.
Instructor in Otology

Corey Hugh McKenna, M.D.
Instructor in Surgery

Milton Mandel, M.D.
Instructor in Medicine

Robert Campbell Menzies, M.D.
Instructor in Surgery

Ernest Charles Riebel, M.D.
Instructor in Surgery

Garland Dix Scott, M.D.
Instructor in Anatomy

George Curtice Shockey, M.D.
Instructor in Clinical Neurology

Frank Edward Simpson, M.D.
Instructor in Dermatology and Syphilology

Burt Smith Stevens, Ph.G., M.D.
Instructor in Surgery

Henry Bascom Thomas, B.S., M.D.
Instructor in Clinical Orthopedic Surgery

Richard Joseph Tivnen, M.D.
Instructor in Ophthalmology

Fred Werner, M.D.
Instructor in Operative Obstetrics

Frank Wright, Ph.C., M.D.
Instructor in Chemistry

Charles Benjamin Younger, M.D.
Instructor in Laryngology and Rhinology

Emil Bernard Anderson, M.D.
Clinical Assistant in Medicine

John James Andrews, M.D.
Clinical Assistant in Surgery

Anthony Biankini, M.D.
Clinical Assistant in Surgery

Robert Alfred Black, M.D.
Clinical Assistant in Surgery

William Sherman Bracken, M.D.
Clinical Assistant in Laryngology and Rhinology

William Elmer Brenneman, M.D.
Clinical Assistant in Neurology

George Bassett Butt, M.D.
Clinical Assistant in Medicine

James Joseph Cole, M.D.
Assistant in Preliminary Surgery

Henry Thomson Cummings, M.D.
Clinical Assistant in Surgery

Norman Dixon Curry, B.S., M.D.
Clinical Assistant in Genito-Urinary Surgery

Arthur Hale Curtis, M.D.
Clinical Assistant in Gynecology

Bertram Charles Cushway, M.D.
Assistant in Preliminary Surgery

Charles August Ericson, Ph.G., M.D.
Clinical Assistant in Medicine

Arthur Barnett Eustace, B.S., M.D.
Clinical Assistant in Surgery

George Carl Fisher, M.D.
Clinical Assistant in Genito-Urinary Surgery

Frank Doig Francis, A.B., M.D.
Clinical Assistant in Surgery

John Garfield Frost, M.D.
Clinical Assistant in Medicine

William Herbert Galland, M.D.
Clinical Assistant in Medicine

John Ferdinand Golden, M.D.
Clinical Assistant in Surgery

Guy Aubrie Gowen, M.D.
Clinical Assistant in Surgery

George Walter Hochrein, M.D.
Clinical Assistant in Surgery

Albert Triplett Horn, M.D.
Assistant in Preliminary Surgery

George Herbert Howard, M.D.
Clinical Assistant in Medicine

Carl DaCosta Hoy, M.D.
Clinical Assistant in Surgery

Lawrence Lee Iseman, M.D.
Clinical Assistant in Surgery

Alfred Frederick Jacobson, M.D.
Clinical Assistant in Dermatology

John Edward Kelley, M.D.
Clinical Assistant in Surgery

Sidney Klein, M.S., M.D.
Clinical Assistant in Medicine

Jeremiah Emmett Leahy, M.D.
Clinical Assistant in Surgery

Adolph H. Leviton, M.D.
Clinical Assistant in Surgery

John Matthew Lilly, A.B., M.D.
Clinical Assistant in Medicine

Otis Hardy Maclay, B.S., M.D.
Clinical Assistant in Laryngology and Rhinology

Alfred Newton Moore, M.D.
Clinical Assistant in Surgery

Albert Earl Mowry, M.D.
Clinical Assistant in Genito-Urinary Surgery

Bernard Nelson, M.D.
Clinical Assistant in Surgery

Rupert Merrill Parker, B.S., M.D.
Clinical Assistant in Surgery

Otto Steve Pavlik, Ph.G., M.D.
Clinical Assistant in Gynecology

Albert Pech, M.D.
Clinical Assistant in Medicine

Louis Jacob Pritzker, M.D.
Clinical Assistant in Gynecology

Arthur Bennett Rankin, M.D.
Clinical Assistant in Orthopedic Surgery

James George Ross, M.D.
Clinical Assistant in Genito-Urinary Surgery

Victor Lutu Schrager, M.D.
Clinical Assistant in Surgery

Kellogg Speed, M.D.
Clinical Assistant in Surgery

Edward Samuel Stewart, M.D.
Clinical Assistant in Laryngology and Rhinology

Brown Fred Swift, B.S., M.D.
Clinical Assistant in Genito-Urinary Surgery

John Thomas Welch, M.D.
Clinical Assistant in Surgery

Alfred Joy Willetts, M.D.
Clinical Assistant in Medicine

Maurice Wolff, M.D.
Clinical Assistant in Genito-Urinary Surgery

Albert Bernard Yudelson, M.D.
Clinical Assistant in Neurology

Frederick Otto Bowe, M.D.
Demonstrator of Operative Obstetrics

David Sweeney Hillis, M.D.
Demonstrator of Operative Obstetrics

Henry Carroll Tracy, Ph.D.
Assistant in Anatomy

Martin Rist Chase, B.S., A.M.
Assistant in Anatomy

STUDENT ASSISTANTS

Anatomy—Guy Sherman VanAlstine, B.S.; Charles Taylor Moss, A.B.; Willis Stanley Gibson, A.B.; Joseph F. Jaros.

Bacteriology—Herbert Weir Gray, Bernardo Samson, Ph.G.

Chemistry—Charles George Hutter.

Pathology—Perpetuo Dionisio Gutierrez.

Pharmacology—Henning Theodore Mostrom, Arthur Wheeler Drew, Ph.G.; Richard Clyde McCloskey, B.S.; Martin Morris Nilsson.

Physiology—Ney Milton Salter, B.S.; Frederick Harvey Bly, A.B.; Walter Hermann Nadler, B.S.; Charles Robert Nyberg.

James Casey, Ph.G., M.D.
Superintendent of the Dispensaries

Fred Homer Clutton, A.M.
Registrar

Committees of the Faculty

Medical Council—President Harris, Dean Edwards, Secretary Mix; Professors Long, Hall, Dudley, Preble, Schroeder, DeLee, Wilson and Dyche.

Advanced Standing—Professors Mix, Schroeder and Zeit.

Library—Professors Andrews, Schroeder, and Buhlig, (librarian).

Alumni Week—Professors Gillmore, Long, Hall, Reed and Menge.

Re-examination—Professors Long, Mix and Preble.

Honorary and Advanced Degrees—Professors Mix, Long and Buhlig.

The Curriculum—Dean Edwards, Professors Long and Wilson.

Requirements for Admission

I. The candidate for admission to the Medical School must be of good moral character as evidenced by certificates signed by two physicians of good standing in the state in which the candidate last resided.

II. He must have credit for two years of work in an approved college.

III. He must have completed in those two years of college work at least nine-twentieths of the total number of hours or units required for graduation from his college; and in the schedule of his work must have been included not less than a year each in

a. Chemistry, comprising general inorganic chemistry and qualitative analysis; b. General Physics; c. Zoölogy; and d. A foreign language. These requirements will be satisfied by courses such as the following, described in the catalog of Northwestern University in the section on the College of Liberal Arts, pages 79 to 117: Chemistry, Course A and at least the first semester of Course B; Physics, Course A; Zoölogy, Course A; German, Course AA or A; French, Course AA or A. It is recommended that the candidate include at least two years of Latin in his preparation.

IV. Candidates for admission in October, 1911, to the Second, Third and Fourth year classes must present credentials covering a four year high school course in an accredited high school, together with credentials from a recognized College of Liberal Arts covering one year of 30 semester hours credit, and an official statement from the medical school last attended covering in detail the courses taken and the credits received.

Applicants for admission to advanced standing from other medical schools must present with their official credentials, letters of honorable dismissal.

V. Graduates of certain Dental and Pharmacy schools will be admitted to advanced standing without conditions, provided they are at the same time graduates of accredited high schools, academies, or normal schools, and are able to present credentials from acceptable medical schools covering at least one full year of work. This provision applies only to those entering October, 1911.

VI. Admission to the Fourth Year class is by special action of the faculty and usually is granted only to graduates in medicine.

SIX-YEAR COMBINED COURSE IN SCIENCE AND MEDICINE

It is now possible to secure both the degrees of Bachelor of Science and Doctor of Medicine in six years. Students who desire to effect this saving of time should conform to the following regulations.

(a) Students who have completed at least the Sophomore Year in the College of Liberal Arts at Evanston may then enter the Medical School and submit certain studies of the medical course for the completion of the requirements prescribed by the College of Liberal Arts for the Bachelor of Science degree, and on the completion of the course of Medicine they will receive not only the degree of Doctor of Medicine, but also the degree of Bachelor of Science, that degree being given on the recommendation of the faculty of the College of Liberal Arts.

(b) Students who have completed two years of college work, including the Freshman and Sophomore requirements of the College of Liberal Arts for the degree of Bachelor of Science may pursue the first year of the medical course at Evanston and the last three years in the city of Chicago. The year of work done in the medical course in Evanston will be accepted by the College of Liberal Arts as satisfying the college requirement of one year of residence. The other requirements of the College of Liberal Arts for the degree of Bachelor of Science may be completed by the offer of studies taken in the medical course. On the completion of the medical course, the candidate will receive not only the degree of Doctor of Medicine, but also on the recommendation of the faculty of the College of Liberal Arts, the degree of Bachelor of Science. The first year of the School of Medicine is conducted both in the city at 24th and Dearborn Streets, and also at Evanston. The students at Evanston are required to go into the city for their instruction in gross anatomy. The other instruction is given by instructors who are also members of the faculty of the College of Liberal Arts. In order to satisfy the residence requirement, students may also register as students in the College of Liberal Arts. The tuition and other fees are the same as those charged in the College of Liberal Arts.

General Outline of Instruction

This Medical School now requires for admission evidence from its students of adequate collegiate preparation in physics, general chemistry, and zoölogy, consequently these subjects are not included in the curriculum.

The School was the first in the United States to establish a graded course of study and in the curriculum outlined in this catalogue the student advances from the fundamental laboratory courses to the clinical, bed-side subjects. The advantages of such graduation can be secured only by at least eight months consecutive attendance, and by beginning with the fundamental subjects in the fall semester of each year. Deviation from the regular schedule of work is not allowed save by action of the Faculty.

The subjects taught in the first year are offered both in Evanston and Chicago. This arrangement permits medical students in Evanston to register for work in the College of Liberal Arts.

The first two years of the medical course are devoted almost entirely to practical work in the laboratories. The logical sequence of the scientific studies of the first and second years leads to the practical courses of the third and fourth years. The student approaches the practical subjects of the third year after completing those subjects preparatory to practical medicine, and after courses in physical diagnosis and preliminary medicine in the second year. The principles of medicine, surgery, and obstetrics are studied in recitations, in clinics given to small sections, in section work in the dispensary, and in larger clinics. The courses in special pathology and clinical pathology closely follow the clinical work, and are accompanied by clinics and recitations on nervous diseases, gynecology, eye and ear, nose and throat, surgery, internal medicine, genito-urinary surgery, dermatology, and diseases of children. In the fourth year the instruction is case-teaching and is largely clinical.

Throughout the course the classes, wherever it is possible, are limited in size, a matter of great advantage to the student, as it gives him the privileges of personal instruction. The sections of classes are sufficiently small to give each student an opportunity to take for himself, under the personal supervision of his teacher, every step in the technique of laboratory and clinical courses.

Clinical instruction occupies most of the last two years and a part of the second year. Clinical material is very abundant and is furnished by the South Side Dispensary, Calumet Avenue Dispensary, Wesley Hospital, Mercy Hospital, St. Luke's Hospital, Provident Hospital, People's Hospital, Cook County Hospital, and the Chicago Lying-in Dispensary. Some of the hospital and college clinics are attended by the entire class, but the greater number of clinics are given to small sections of from twelve to sixteen students, who thus receive individual instruction in physical examination, diag-

nosis, and treatment. A most important feature of the clinical instruction is the bedside hospital clinic, in which a small group of students accompany the teacher through the ward and study the details of symptoms, diagnosis, and treatment, and follow the cases throughout the progress of disease. The course of bedside clinical instruction is so arranged that each student may have at least two periods a week. The hospital beds to which the students have access number in the aggregate over nine hundred. The course in clinical obstetrics at the Chicago Lying-in Dispensary is obligatory.

SCHEDULE OF WORK

FIRST YEAR

	Hours a week		Total	
Anatomy—	Lab'ory	Recitation	Lab'ory	Recitation
Gross, throughout the year	10½*		336	
Histology, 1½ semesters	6	2	144	48
Embryology, ½ semester	6	2	48	16
Chemistry—				
Organic, first semester	6	3	96	48
Physiological, second semester	4	4	64	64
Physiology—				
General, first semester	2	3	32	48
Haematology, second semester	4	3	64	48
			784	272—1,056

*Twelve hours a week the first semester, nine hours a week the second semester.

SECOND YEAR

	Hours a week		Total	
Anatomy—	Lab'ory	Recitation	Lab'ory	Recitation
Gross, first semester	9		144	
Anatomical Neurology, second semester	6		96	
Topographical, eight weeks	6	1	48	8
Chemistry—				
Urinalysis, second semester	4	2	64	
Medicine—				
Physical Diagnosis and Clinic, both semesters		1½		48
Preliminary Medicine, first semester, eight periods	2		16	
Bacteriology—				
First semester	6	1	96	16

Pathology—				
First semester	6	2	96	32
Second semester	6	3	96	48
Etiology—				
Both semesters		2		64
Pharmacology—				
Both semesters	3	3	96	96
Physiology—				
Second semester		3		48
Physiological Neurology ½ semester	4	2	32	16
			784	376—1,160

THIRD YEAR

	Hours a week		Total	
Medicine—	Clinic	Recitation	Clinic	Recitation
Recitation, both semesters		3		96
Dispensary, either semester, one month	12		48	
Section Clinic, both semesters	2		64	
Dr. Preble, one semester, St. Luke's	1		32	
Surgery—				
Recitation, both semesters		3		96
Dispensary, one month	12		48	
Dr. Kanavel, one month, post-graduate	2		8	
Dr. Besley and Dr. Richter, both semesters, Wesley	2		64	
Dr. Halstead, Dr. Owens and Dr. Plummer, three months per man, St. Luke's	2		24	
Experimental, one month	6		24	
Obstetrics—				
Recitation, both semesters, Dr. Reed and Dr. Monash		2		64
Pediatrics—				
Recitation, one semester		1		16
Clinic, one semester, Dr. Walls	1		16	
Clinical Lecture, one semester, Dr. Walls		1		16
Dispensary, one month	12		48	
Nose and Throat—				
Dispensary, one month	12		48	

Clinic, one semester, Wesley.....	1		16	
Eye—Dispensary, one month.....	12		48	
Ear—Dispensary, one month.....	12		48	
Clinical Pathology—one month.....	24		96 (Laboratory)	
Gynecology—				
Dr. Dudley, three months for each man, St. Luke's.....	2		24	
Genito-Urinary Surgery—				
Dispensary, one month.....	24		48	
Mr. Schmidt, two semesters.....	1½		48	
Drug Room—One month.....			30	
Neurology—Two semesters.....		1		32
			782	320—1,102

FOURTH YEAR

All men must take	Hours
Dr. Edwards' Clinic and Lecture	128
Dr. Preble's Clinic and Lecture.....	96
Dr. Abt's Clinic.....	64
Medical Jurisprudence.....	16
Dr. Church's Lecture, Clinic, and Dr. Patrick's Clinic	64
Dr. Evans' Lecture.....	32
Dr. Murphy's Clinic.....	128
Dr. De Lee's Lectures, Operative Obstetrics and two weeks at Lying-in Dispensary.....	88
Dr. Schroeder's Clinic.....	96
Gynecology Recitations.....	32—744

In addition each man may elect 350 hours of clinical instruction, not more than 100 hours of which may be in dispensaries and ward walks. Time spent in clinical research work will be accredited on the 350 hours of elective work required.

Anatomy

PROFESSOR RANSON, PROFESSOR PRENTISS, DR. SCOTT, DR. TRACY, MR. CHASE AND ASSISTANTS

For the work in gross anatomy there are provided three large well-ventilated dissecting rooms, and three smaller rooms for special dissections by students or graduates. An additional room, equipped for the study of topographical anatomy, is open daily and gives the student an opportunity to supplement impressions gained in the dissecting room by a study of models, special dissections, and sections of formalin hardened bodies. There is an excellent refrigerating plant for the preservation of cadavers, with good facilities for embalming and storage.

The histological laboratory is well lighted and provided with the essentials for the study of microscopic anatomy. There is a complete set of Ziegler models for use in embryology and a permanent collection of histological, embryological, and neurological specimens. Facilities for research work are provided, and most of the important anatomical journals are found in the department.

The method of instruction is almost wholly objective. The student is encouraged to form clear conceptions of the objects studied in the laboratory, lectures and quizzes being used only to stimulate him to renewed interest in his laboratory work.

a. *Dissections of the Human Body*—Four three-hour periods throughout the first semester of the first year and three three-hour periods throughout the second semester of the first year and the first semester of the second year. The body is divided into three parts, (1) upper extremity, (2) lower extremity and abdomen, (3) head, neck, and thorax. Two of these parts are dissected in the first year and the remaining part in the first semester of the second year. A careful dissection under direct supervision of instructors is supplemented once a week by a quiz of the class in small sections. Professor Ranson, Dr. Scott, Mr. Chase and Assistants.

b. *Microscopical Anatomy and Embryology*—Two three-hour laboratory periods and two lectures or recitations a week throughout the first year. The work includes a thorough study of cells, tissues, and organs as to structure and development, with instruction in the ordinary methods of preparing tissues for microscopical examination. A clear understanding of the structures studied is given by tracing their origin in the embryo, and special stress is laid upon the identification by the students of the various normal tissues and organs. For this reason careful laboratory drawings are required. The course is divided into two parts:

1. *Cytology and Histology of the Normal Tissues*—(a) the study of cells, their structure, reproduction; (b) segmentation and the formation of the germ-layers in the embryo; (c) the structure and development of the normal tissues. First twelve weeks of the first semester.

2. *Development and Histology of the Human Organs*—(a) From a study of whole mounts, dissections and serial sections of mammalian embryos the origin and development of the organs is traced, thus leading up to (b) a thorough study of the microscopical structure of the adult organs, exclusive of the central nervous system. Last three weeks of the first semester and second semester: First semester, Sec. I, Mon., Wed.; Sec. II, Tu., Th., 8-11. Second semester, Sec. I, Mon., Wed.; Sec. II, Tu., Th., 9-12. Professor Prentiss and Assistants.

c. *Gross and Microscopical Anatomy of the Human Central Nervous System*—A course of lectures, recitations and laboratory work of two three-hour periods a week during the second semester of the second year. Each student dissects a human brain, and studies a series of microscopical sec-

tions through typical regions of the brain and spinal cord. Second semester, second year, Sec. I, Mon., Tu.; Sec. II, Wed., Th.; Sec. III, Fri., Sat., 1-4. Professor Prentiss and Assistants.

d. *Lectures on Topographical Anatomy*—One lecture a week in February and March of the second year. Th., 8-9. Dr. Scott.

e. *Laboratory Work in Topographical Anatomy*—Open to students who have credit for Course a. Two three-hour periods a week during the first two months of the second semester. Transverse and longitudinal sections through formalin hardened bodies. Sec. I, Wed., Th.; Sec. II, Fri., Sat.; Sec. III, Mon., Tu., 1-4. Dr. Scott.

f. *Special Problems in Anatomy*—Opportunity is offered for suitably trained students to carry on investigations of an original character in Neurology, Embryology, Histology, and other branches of Anatomy. Professor Ranson and Professor Prentiss.

Chemistry

PROFESSOR LONG, MR. JOHNSON, MR. GEPHART, AND DR. WRIGHT

The work in chemistry extends through the first and second years and is required of all students. Commodious laboratories, well equipped for experimental work, are located on the fourth floor of the Laboratory Building. The Chemical Lecture Room is on the third floor, as are also the Chemical Museum, a small laboratory for advanced work and special problems, and the private laboratory and office of the head of the department.

FIRST YEAR

a. *Organic Chemistry*—This course comprises three lectures and one quiz a week during the first semester, and is intended to cover the general principles of this fundamental branch of chemical science. The work in organic chemistry is a proper and necessary introduction to the physiological chemistry of the second year, and is abundantly illustrated by aid of models and an excellent collection of organic preparations. Mon., Wed., Fri., 4-5, first semester. Professor Long.

b. *Organic Chemistry, Laboratory Course*—The work in this course is given in the first semester, and consists in the preparation of certain organic compounds described in the didactic course. These compounds are selected mainly with reference to their illustrative importance. Two periods each week, Fri., Sat., 8-11. Professor Long and Mr. Johnson.

c. *Volumetric Analysis*—Two periods each week during the first half of the first semester. Enough work is given in this course to familiarize the student with the general principles of this branch of analysis and to serve as an introduction to the practical work required in the physiological chemistry in the second year. Fri., Sat., 8-11. Mr. Johnson and Assistants.

d. *Physiological Chemistry*—Lectures and demonstrations three times a week during the second semester. This is a systematic course covering the whole field of general physiological chemistry and repeats and extends the organic chemistry of the carbo-hydrates, the fats, and the proteins. The nature of ferments and digestive agents is fully discussed with special reference to the digestion of ordinary foods, and the connection betweeen the foods and the products of metabolism, especially of protein metabolism, is presented. The chemistry of the blood, the urine, the feces, and the products of various organs is given as fully as time permits. Attention is given also to the important questions of nutrition and the practical value of different foods, keeping in mind the bearing of these questions on topics of internal medicine. An attempt is made to sift out from the great mass of physiological chemical literature that which is likely to prove of permanent importance in the practice of medicine and to present it in proper order. Mon., Wed., Fri., 4-5. Professor Long.

e. *Physiological Chemistry*—Laboratory course covering the study of foods, digestive agents, products of metabolism and various fluids of the body. The important properties of the fats, carbo-hydrates, and the commoner proteins are reviewed experimentally. Two periods a week during the second semester. Sec. I, Tu., Th., 10-12; Sec. II, Mon., Wed., 10-12. Professor Long and Mr. Johnson.

SECOND YEAR

f. *Urine Analysis*—A laboratory course is given in two periods a week during the first semester. The more exact recent quantitative processes are presented with the usual routine methods. Sec. I, Mon., Wed., 8-10; Sec. II, Tu., Th., 8-10. Mr. Johnson.

g. *Special Laboratory Courses*—Opportunity is given for more advanced work in several lines of physiological chemistry. Professor Long, Mr. Johnson, and Mr. Gephart.

h. *Quiz Courses*—Covering the work offered by courses d and e. Fri., 9-10. Dr. Wright.

Gynecology

PROFESSOR DUDLEY, PROFESSOR FRANK T. ANDREWS, PROFESSOR WATKINS, PROFESSOR FRANKENTHAL, PROFESSOR GILLMORE, PROFESSOR BARNES, DR. CUTHBERTSON, DR. LEWIS, DR. PAVLIK, DR. PRITZKER, AND DR. CURTIS.

Instruction in this department comprises recitations, dispensary clinics, conferences, and surgical clinics. The clinics are given in St. Luke's Hospital, Wesley Hospital, Mercy Hospital, and to divided classes in the Dis-

pensary. All students are required to make themselves proficient in general gynecological diagnosis and treatment, and with this object in view, are brought into close personal relation with a large number and variety of cases in the Dispensary. Three operative clinics a week, on the average, are given in hospitals in the immediate vicinity of the College. These clinics afford the student abundant opportunity to familiarize himself with all the major and minor operations of gynecology. Not only a theoretical, but a practical knowledge of gynecology is a prerequisite for graduation.

THIRD YEAR

a. *Operative Clinics and Lectures at St. Luke's Hospital*—One two-hour period a week. Wed., 10-12. October to April, Professor Dudley; April to July, Professor Frankenthal; July to October, Dr. Cuthbertson.

FOURTH YEAR—REQUIRED

b. *Gynecology Recitations*—Two one-hour periods a week. Mon., Fri., 5-6, first semester. Professor Gillmore, Professor Barnes, Dr. Lewis, and Dr. Curtis.

FOURTH YEAR—ELECTIVES

c. *Operative Clinics and Lectures at Wesley Hospital*—One two-hour period a week throughout the year. Th., 8-10. Professor Watkins.

d. Operative Clinics and Lectures at Mercy Hospital—Once a week throughout the year. Th., 8-10. Professor Frank T. Andrews.

e. *Dispensary Clinics*—Daily to divided classes. Every fourth year student may elect attendance for four weeks. Daily, 2-4. Professor Gillmore, Professor Barnes, Dr. Pavlik, and Dr. Pritzker.

f. *Ward Walk*—Wesley Hospital, Wed., 8-9. Dr. Watkins. Four weeks.

g. *Clinic*—Mercy Hospital. Wed., 8-10. Dr. Barnes. May be elected either semester.

Medicine

PROFESSOR EDWARDS, PROFESSOR N. S. DAVIS, PROFESSOR PREBLE, PROFESSOR WALLS, PROFESSOR ABT, PROFESSOR MIX, PROFESSOR DYCHE, PROFESSOR CHESTER, PROFESSOR A. DAVIS, PROFESSOR ELLIOTT, PROFESSOR BUHLIG, PROFESSOR HARPOLE, DR. OSGOOD, DR. GOLDSMITH, DR. KLEUTGEN, DR. MANDEL, DR. FOWLER, DR. BUTT, DR. WILLETTS, DR. PECH, DR. GALLAND, DR. ANDERSON, DR. HOWARD, DR. KLEIN, DR. FROST, AND DR. LILLY.

The course in physical diagnosis in the second year lays a broad foundation for the medical courses which are to follow. A thorough course is given in the technique of physical diagnosis, beginning with laboratory work upon the normal subject and illustrated by typical cases from the clinics.

SECOND YEAR

a. *Physical Examinations of the Normal Body*—Laboratory work. Eight periods. First semester. Pathological conditions, illustrated by clinical cases. Sec. I, Tu., 10-12; Sec. II, Wed., 10-12. Dr. Kleutgen, Dr. Osgood, and Dr. Klein.

b. *Physical Diagnosis Clinic*—Cases chosen from Mercy Hospital are brought before the class and are presented with special reference to diagnosis. Each student is expected to keep a record of such cases, to group and co-ordinate all cases of the same class, and to present his notes with a thesis on one group of cases. Once a week, Fri., 10:30-12. Professor Mix.

THIRD YEAR

The class is divided into small sections not exceeding twenty students in number. Throughout both semesters each section is assembled for three recitation periods of one hour each and one two-hour clinical period. In the recitation periods special attention is paid to the explanation of the morbid phenomena of disease by the application of the principles of physical diagnosis, special pathology and pathological physiology, which have been given in the second year.

Cases presented in the clinical period are selected with special reference to the subjects already considered in the recitation course. In both recitation and clinical periods due attention is given to applied therapeutics.

An important feature of the medical instruction in the third year is the work in the medical department of the South Side and the Calumet Avenue Dispensaries. Small sections of eight or ten students are assigned to a service of four weeks each, during which each student receives personal instruction in the application of his work of previous years in physical diagnosis, in the methods of differential diagnosis, in symptomatology, in therapeutics, and in prescription writing. A knowledge of drugs and their action being essential before prescriptions for the sick are attempted they are studied before clinical teaching is begun. For the same reason general pathology and special pathology are taken in the second year. The course in clinical pathology is so conducted that the laboratory findings and the clinical side of the cases are closely associated in the mind of the student. Personal service of patients and individual opportunity to put into practice the didactic and clinical instruction of the various departments have always been a leading feature of instruction in this department.

d. *Recitations from Text-Books*—Three hours a week. Mon., Th., Sat., 8-9. Professor Dyche, Professor Achilles Davis, Professor Elliott, Professor Chester, Dr. Goldsmith, and Dr. Osgood.

e. *Clinics*—Clinics to the same sections supplementary to the recitation work; one two-hour period a week throughout the year. These clinics also cover therapeutics. Th., 3-5, Professor Dyche; Sat., 10-12, Professor

Achilles Davis; Fri., 8.10, Professor Elliott; Tu., 3-5, Professor Chester; Fri., 1-3, Dr. Goldsmith; Mon., 10-12, Dr. Osgood.

f. *South Side Dispensary Clinic to Small Classes*—Four weeks. Daily 10-12. Professor Chester, Professor Achilles Davis, Dr. Fowler, Dr. Butt, Dr. Kleutgen, Dr. Willets, Dr. Pech, Dr. Mandel, Dr. Lilly, Dr. Anderson, Dr. Howard, and Dr. Klein.

g. *Clinical Lectures at St. Luke's Hospital*—Once a week. Wed., 8-9. Professor Preble.

h. *Calumet Avenue Dispensary Clinics*—Four weeks. Daily 10-12. Professor Edwards, Professor Dyche, Professor Chester, and Dr. Mandel.

i. *Laboratory Diagnostic Methods*—A laboratory course in the chemical, bacteriologic and microscopic methods used in diagnosis. This covers the examination of urine, blood, stomach contents, feces, sputum, pus, fluid exudates, smears and cultures from nose and throat, etc., special emphasis being laid upon the interpretations from the results. The routine laboratory work of Wesley Hospital is now being done in this laboratory and, with the material from the South Side Dispensary, gives opportunity to students to make all the numerous tests necessary for diagnosis. The class is divided into eight sections of about fifteen students each. Each section attends afternoon periods of three hours each for one-fourth of a semester. Daily 1-4. A lecture is given once a week during the first semester. Mon., 5-6. Professor Buhlig and Assistants.

j. *Drug Room Dispensing*—Each third-year student must spend 30 hours in the Dispensary Drug Room in practical prescription writing and compounding. Dr. Casey.

Clinic—Cook County Hospital—Elective. Every Friday, 8-10. Professor Mix, Professor Preble and Professor Harpole.

FOURTH YEAR

Medical instruction in the fourth year is largely clinical. In the large clinics the students are required to examine and diagnose the cases. Semi-didactic summaries of symptoms, cases, the principles of diagnosis, prognosis, and the minute details of therapy are given special prominence.

In the small ward classes the fourth year students are taken to the bedside of the patient and there become familiar with the variations in the full clinical course of the cases.

The fourth year students are assigned to the out-patients in the capacity of clinical assistants and they are held strictly responsible for the care of the patients, and are required to compile complete data on all features of selected cases.

FOURTH YEAR—REQUIRED

k. *Clinic and Lectures*—Michael Reese Hospital. Both semesters. Tu., Fri., 10-12. Professor Edwards.

l. *Lectures*—Medical School. Both semesters. Th., 5-6. Professor Preble.

m. *Clinic and Lectures*—Wesley Hospital. Both semesters. Wed., 10-12. Professor Preble.

FOURTH YEAR—ELECTIVES

n. *Ward Walks*—Dr. Mandel, Mercy Hospital, Mon., 9-10; Dr. Osgood, Wesley Hospital, Mon., 9-10; Dr. Goldsmith, Wesley Hospital, Tu., 8-9; Dr. Davis, Wesley Hospital, Wed., 9-10; Dr. Mandel, Mercy Hospital, Fri., 8-9.

o. *Clinic*—Mercy Hospital, Mon., 9-10. Professor Mix.

p. *Clinic*—Wesley Hospital, Wed., 8-10. Professor Dyche and Professor Elliott.

q. *Clinic*—Mercy Hospital, Th., 2-4. Dr. Mandel.

r. *Clinic*—Mercy Hospital, Tu., 2-4. Professor Chester.

SUB-DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY

PROFESSOR ZEISLER, PROFESSOR PARDEE, DR. SIMPSON, AND DR. JACOBSON

The very abundant clinical material gives the students in the dispensary an opportunity to examine each case personally. The most instructive cases are reserved for the general weekly clinic, where they are demonstrated and discussed exhaustively. Special attention is paid to differential diagnosis, histopathology, and the treatment of dermatoses most frequently encountered by the general practitioner.

FOURTH YEAR—ELECTIVES

a. *Dispensary Clinic*—Daily for four weeks. Daily 2-4. Professor Pardee, Dr. Simpson, and Dr. Jacobson.

b. *Clinical Lectures*—One period a week throughout the year. Wed., 4-5. Professor Zeisler.

c. *Lectures*—One a week. Second semester. Wed., 5-6. Professor Zeisler.

SUB-DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY

PROFESSOR MENGE, PROFESSOR MARQUIS, DR. YOUNGER, DR. DENNIS, DR. MACLAY, DR. STEWART, AND DR. BRACKEN.

Instruction in the Department of Laryngology and Rhinology is given in large general clinics as well as in small sections in the dispensary. Actual individual teaching is accomplished in the dispensary by giving each student his own work-place fully equipped with electric light, compressed air, and examination instruments and by assigning patients to him. Thus he learns the technique of examination, the commoner diagnoses, and various methods of treatment which he himself pursues.

The new quarters in the dispensary comprise a suite of rooms including an examination room, a dark room, and two large rooms for general instruction. These rooms are admirably equipped for the purpose of clinical instruction.

The operative clinics are held in Wesley Hospital, and being supplied by the abundant material from the dispensary and hospital, are held in systematic order, the cases shown exemplifying the regular routine of the lecture course.

THIRD YEAR

a. *Laryngology and Rhinology*—Clinical lecture two hours a week. One semester. Tu., 10-12. Professor Menge.

b. *Clinical Lectures*—At the School or at Wesley Hospital for the dispensary section only. Once a week throughout the year. Fri., 10-12. Professor Menge and Professor Marquis.

c. *Dispensary Clinic*—Individual instruction in technique. Six periods a week for four weeks. Daily, 10-12. Professor Menge and Professor Marquis, assisted by Dr. Dennis, Dr. Younger, Dr. Bracken, Dr. Maclay, and Dr. Stewart.

SUB-DEPARTMENT OF OPHTHALMOLOGY

PROFESSOR PUSEY, DR. JORDAN, AND DR. TIVNEN.

In the department of Ophthalmology an effort is made to give to the student the essentials of the subject. For teaching purposes there is complete equipment. The department has its own laboratory and abundant clinical material. Small sections of the class are assigned to this department for a given period, and during this time the subject is considered systematically, and cases showing the various diseased eye conditions are studied. The subject of refraction is considered in a general way.

THIRD YEAR

a. *Dispensary Clinic*—Six periods a week for four weeks. Daily 10-12. Professor Pusey and Dr. Jordan.

FOURTH YEAR—ELECTIVES

b. *Clinic at the College or Wesley Hospital*—Once a week throughout the year. Professor Pusey.

c. *Clinic at Mercy Hospital*—To sections of the fourth year class, Tu., Th., 2:30-3:30. Dr. Tivnen.

d. *Laboratory Course*—Study of the anatomy and histology of the eye. Professor Pusey.

e. *Laboratory Course*—Study of the pathology and bacteriology of the eye. Professor Pusey.

f. *Graduate Clinical and Refractive Course*—Hours to be arranged. Professor Pusey and Dr. Jordan.

SUB-DEPARTMENT OF OTOLOGY

PROFESSOR WILSON AND DR. MCGIBBON.

The department of Otology occupies half of the third floor of Davis Hall. In addition to rooms specially adapted to clinical instruction, a large laboratory has been equipped for graduate and research work. The dispensary rooms are well equipped for examining and treating ambulatory cases. The affiliated hospitals and the dispensaries afford a large amount of material for practical instruction. The students are assigned in small sections for a period of one month, in which the student is afforded the opportunity of acquiring a practical knowledge of the diseases of the ear.

THIRD YEAR

a. *Dispensary Clinic*—Demonstrations, dispensary practice, and recitations. Daily 10-12. Demonstrations three half-hour periods a week. Recitations two half-hour periods a week. Professor Wilson and Dr. McGibbon.

FOURTH YEAR—ELECTIVES

b. *Clinic at Mercy Hospital*—To sections of the fourth year class. Twice a week. Tu., Th., 2:30-3-30. Dr. Tivnen.

c. *Laboratory Course*—Study of the anatomy and histology of the ear. Hours to be arranged. Professor Wilson.

d. *Laboratory Course*—Study of the pathology and bacteriology of diseases of the ear. Hours to be arranged. Professor Wilson.

e. *Clinics*—Davis Hall. Wed., 9-10. Professor Wilson.

SUB-DEPARTMENT OF NEUROLOGY, CLINICAL NEUROLOGY, MENTAL DISEASES, AND MEDICAL JURISPRUDENCE

PROFESSOR CHURCH, PROFESSOR PATRICK, PROFESSOR GRINKER, PROFESSOR HECHT, DR. SHOCKEY, DR. WILLIAM E. BRENNEMAN, AND DR. YUDELSON.

THIRD YEAR

a. *Neurology*—Recitation course. One hour a week. Both semesters. Sat., 9-10. Professor Hecht.

FOURTH YEAR—REQUIRED

b. *Diseases of the Nervous System*—One lecture a week throughout the year. Fri., 4-5. Professor Church.

c. *Clinical Lecture*—Once a week. First semester. Mon., 3-4. Professor Patrick.

d. *Clinical Lecture*—Special reference to hospital cases. Once a week. Second semester. Mon., 3-4. Professor Church.

e. *Medical Jurisprudence*—One lecture a week. First semester. Th., 4-5. Professor Hecht.

FOURTH YEAR—ELECTIVES

f. *Dispensary Clinics*—Six periods a week for four weeks. Daily, 2-4. Professor Patrick, Professor Grinker, Professor Hecht, Dr. Shockey, Dr. Layton, Dr. W. E. Brenneman, and Dr. Yudelson.

g. *Ward Visits*—A weekly ward visit to Wesley Hospital. Tu., 8-9. Professor Grinker and Professor Hecht.

SUB-DEPARTMENT OF PEDIATRICS

PROFESSOR WALLS, PROFESSOR ABT, PROFESSOR BRENNEMANN, DR. CAMPBELL, DR. CHENEY, DR. KROST, DR. HESS, AND DR. JAMPOLIS.

It is the plan of this department to make its instruction chiefly clinical and personal.

THIRD YEAR

a. *Didactic Lecture*—One period a week. One semester. Wed., 8-9. Professor Walls, and Professor Brennemann.

b. *Recitations*—One period a week. One semester. Wed., 9-10. Professor Walls, Professor Brennemann, Dr. Campbell, Dr. Cheney, and Dr. Krost.

c. *Dispensary—Children's Clinic*—Six periods a week for four weeks. Daily, 10-12. Professor Walls, Professor Brennemann, Dr. Campbell, Dr. Cheney, Dr. Jampolis, and Dr. Krost.

d. *Clinical Lecture*—The most interesting of the patients attending the dispensary clinics are reserved for the weekly School clinic. This course is required of third year students and is open to all fourth year students. One period a week. Tu., 11-12. Professor Walls.

e. *Diet Kitchen*—Examination and preparation of infant foods. Daily 10-12. Professor Walls.

FOURTH YEAR—REQUIRED

f. *Clinic and Lectures*—Michael Reese Hospital. Both semesters. Mon., Sat., 8-9. Professor Abt.

FOURTH YEAR—ELECTIVE

g. *Ward Walk*—One period a week for four weeks. St. Luke's Hospital. Fri., 8-9. Professor Brennemann.

Obstetrics

PROFESSOR DE LEE, PROFESSOR REED, DR. MONASH, DR. STOWE, DR. WERNER, DR. HILLIS, AND DR. BOWE.

The teaching in this department is clinical, didactic, by demonstrations, by individual exercises on the manikin, and by recitations and conferences in large and small classes. Obstetric cases in Mercy, Provident, and Wesley Hospitals are used for teaching. All fourth year students attend in residence the Chicago Lying-in Hospital and Dispensary. Each student sees and conducts personally six to ten labors in the homes of patients, or in the hospital under the guidance of the assistant physicians. The pathological material is abundant. Members of the teaching staff will give optional courses on special obstetric subjects at the requests of small groups of students. The Obstetric Laboratory is at the service of students desiring to do special work.

THIRD YEAR

a. *The Physiology of Pregnancy, Labor, and the Puerperium*—Throughout the year. Two recitations a week. Tu., Th., 9-10. Professor Reed and Dr. Monash.

FOURTH YEAR—REQUIRED

b. *The Pathology of Pregnancy, Labor, and the Puerperium*—Throughout the year. Two lecture recitations a week. Mon., Tu., 5-6. Professor De Lee.

c. *Individual Practice on the Manikin*—Sixteen exercises for each group of six students. Daily, 1-3. Dr. Stowe, Dr. Werner, Dr. Hillis, and Dr. Bowe.

d. *Demonstrations*—Students of the third and fourth years attend obstetric demonstrations, and labors conducted by Professor De Lee and Professor Reed in the amphitheater of Wesley Hospital. Attendance on six labors is necessary for graduation.

e. *Residence Course*—At Lying-in Dispensary. Two weeks selected by each student during senior year.

Pathology and Bacteriology

PROFESSOR ZEIT, DR. JACKSON, AND DR. GLENN.

The laboratories of pathology and bacteriology and the museum of the department occupy the second floor of the main building. The laboratories are well equipped for general class work, as well as for individual research. The museum of pathology contains a very complete and excellent collection of pathological specimens, most of which are preserved in natural colors.

Liberal use is made of these specimens for instruction and practical exercises in morbid anatomy. The museum is open at all times for inspection. The number of public autopsies, held in the large amphitheater, is ample and together with the large museum collection and the fresh material obtained from hospital and private post-mortems, many of which are attended by small sections of 15 to 20 students, furnish abundant opportunity for the study of morbid anatomy and histopathology. The department is supplied with a valuable reference library and advanced students or physicians can be provided with good facilities for research work.

The courses in pathology and bacteriology are given during the second year and consist of laboratory work, demonstrations, lectures, and recitations. The laboratory courses in general pathology and bacteriology are given during the first semester, special pathology during the second semester. The whole class attends all post-mortems held during the two semesters of the second and third years, one hundred hours of attendance at autopsies being required. During both semesters the class attends two lectures a week on bacteriology, etiology of infectious diseases and immunity, and two lectures a week on pathology. Many of these lectures are illustrated by lantern slides and demonstrations. During the second semester systematic exercises in anatomic diagnosis by means of Kayserling specimens and fresh material are held regularly after the study of the pathology of each organ. The student is given representative material for the preparation of a complete and valuable collection of about 350 slides illustrating all the important pathologic lesions and micro-organisms which he has studied during his labortory courses.

SECOND YEAR

a. *Bacteriology and Etiology of Infectious Diseases and Immunity*—Lectures and demonstrations. Two hours a week. Both semesters. Tu., Th., 4-5. Professor Zeit.

b. *Bacteriology Laboratory Course*—The class is divided into sections, each section taking three periods of two hours each a week during the first semester. Sec. I, Mon., Wed., Fri., 8-10; Sec. II, Tu., Th., Sat., 10-12. Professor Zeit and Dr. Glenn.

c. *Bacteriology Recitation Course*—One hour each week. First semester. Sec. I, Tu., 9-10; Sec. II, Mon., 9-10. Dr. Glenn.

d. *General Pathology*—Lectures and demonstrations. Two hours a week. First semester. Wed., Th., 9-10. Professor Zeit and Dr. Jackson

e. *General Pathology and Histopathology Laboratory Course*—The class is divided into sections, each section taking three periods of two hours each week during the first semester. Sec. I, Tu., Th., Sat., 10-12; Sec. II, Mon., Wed., 10-12, Fri., 8-10. Professor Zeit and Dr. Jackson.

f. *General Pathology and Histopathology Recitation Course*—One hour each week. First semester. Mon., 4-5. Dr. Jackson.

g. *Special Pathology*—Lectures and demonstrations. Two hours a week. Second semester. Fri., 5-6; Sat., 9-10. Professor Zeit.

h. *Special Pathology*—Laboratory course. The class is divided into sections, each section taking three periods of two hours each week during the second semester. Sec. I, Tu , Th., Sat., 10-12; Sec. II, Mon., Wed., 10-12, Fri., 8-10. Professor Zeit and Dr. Jackson.

i. *Special Pathology Recitation Course*—One hour each week. Second semester. Tu., 5-6. Dr. Jackson.

j. *Autopsies*—Second and third year class. College and hospital autopsies as announced on Bulletin Board. Students of the second and third years are excused from conflicting school duties. One hundred hours of attendance required. Professor Zeit and Assistants.

SECOND, THIRD, AND FOURTH YEARS—ELECTIVE

k. *Advanced Work and Research in Bacteriology*—Professor Zeit.

l. *Advanced Work and Research in Pathology*—Professor Zeit.

Pharmacology

PROFESSOR MC GUIGAN AND ASSISTANTS

The department of pharmacology is adequately equipped for the laboratory study of the principles of materia medica and pharmacy as well as for the study of the physiological action of drugs. Each student is supplied with the necessary chemical apparatus to enable him to perform individual experiments on the nature of drug constituents, separation, measurements, and identification of active principles, the manufacture of all types of pharmacopoeial preparations and the compounding of prescriptions. There is also sufficient equipment in tables, animal holders, muscle levers, electrical apparatus, manometers, kymographs, tambours, endiometers, sphygmomanometers, myocardiographs, and other apparatus, for each student to take part in experiments upon the physiological action of drugs. A collection of the official drugs and their preparations is accessible to the student at all times; also a collection of experimental records—tracings, charts, and drawings—illustrating the action of the important drugs.

The course in pharmacology consists of laboratory work, lectures, and recitations. The laboratory work of the first semester includes the study of the general chemical and physical properties of the active constituents of drugs, methods of separating and identifying alkaloids, the manufacture of at least one sample of each type of pharmacopoeial preparation, and prescription writing. The laboratory work of the second semester covers the physiological action of drugs. Each section is divided into groups of two,

three, or four students as occasion demands, and each group performs experiments illustrating the effects exerted by drugs upon various physiological systems, muscular, nervous, respiratory, circulatory, digestive, and excretory. For the laboratory work the class is divided into sections of about 24 students each, so that personal supervision of the work is assured. The lectures are devoted mainly to consideration of the action of drugs and the relations between drug action and the disturbed physiology of disease. The recitations are informal reviews or quizzes of the work covered in the lectures and text-book.

SECOND YEAR

a. *Lectures in Pharmacology*—Two hours a week throughout the year. First semester, Wed., Fri., 4-5; second semester, Mon., 9-10, Sat., 8-9. Professor McGuigan.

b. *Recitations in Pharmacology*—In three sections. One hour a week throughout the year. Sec. I, Sat., 3-4; Sec. II, Tue., 3-4; Sec. III, Th., 3-4; Professor McGuigan.

c. *Pharmaceutical Laboratory*—Three sections. Three hours a week during the first semester. Sec. I, Fri., 1-4; Sec. II, Mon., 1-4; Sec. III, Wed., 1-4. Professor McGuigan and Assistants.

d. *Pharmacological Laboratory*—Three sections. Three hours a week during the second semester. Sec. I, Fri., 1-4; Sec. II, Mon., 1-4; Sec. III, Wed., 1-4. Professor McGuigan and Assistants.

THIRD AND FOURTH YEARS

e. *Research Work*—The laboratory is open for research to a limited number of qualified workers. Professor McGuigan and Assistants.

Physiology

PROFESSOR HALL, PROFESSOR GRINKER, DR. KURTZ, AND ASSISTANTS.

Instruction is based upon laboratory work and demonstrations. In the laboratory each student demonstrates for himself fundamental laws of physiology and observes the phenomena upon which these laws are based. The demonstrations present experiments too difficult for the student to perform alone. The laboratory work and demonstrations form an experimental basis for the science of Physiology, which is presented systematically in the recitation course accompanying the experimental courses.

The equipment of the department includes a large laboratory, a smaller laboratory, an instrument room, departmental library, storage room, shop, preparation room, and facilities in the general animal house. The laboratories are well supplied with all of the instruments needed for scientific investigation, and excellent facilities are afforded for the study of the special senses, particularly vision.

FIRST YEAR

a. *General Physiology*—Cellular biology, and the physiology of muscle and nerve tissue and the muscular system. Lectures and demonstrations, three times a week, and laboratory work one period a week. Living plants and animals, principally unicellular organisms from aquaria, are used in the course in cell-physiology. Frogs are used in the second part of the course and the student has ample opportunity to work out the laws of contraction and of fatigue. In the last part of the course the human ergograph is used and the laws of human work are formulated. First semester. Laboratory, Sec. I, Th., 2-4. Sec. II, Wed., 2-4. Lectures, Mon., Wed., Fri., 11-12. Professor Hall and Assistants.

b. *The Physiology of Circulation, Respiration and Excretion*—Recitations and demonstrations three periods a week. Through operations on mammals under anaesthesia, and through observations upon the human subject the phenomena of circulation and respiration are studied in detail. Laboratory, two periods a week. Three-fourths of a semester. Laboratory, Sec. I, Tu., Th., 1-4; Sec. II, Wed., Fri., 1-4. Lectures, Tu., Th., 4-5; Fri., 11-12. Professor Hall and Assistants.

c. *Haematology*—The physiology of the blood. Recitations and demonstrations three times a week. The student makes an extended study of his own blood and that of other members of his group with the aid of improved clinical instruments. Thus he is able to master the technique of blood examination, and incidentally to familiarize himself with the properties of normal human blood. Laboratory work, two periods a week. One-fourth of a semester. Same hours as Course b. Professor Hall and Dr. Kurtz.

SECOND YEAR

d. *The Physiology of Digestion, Metabolism, and Animal Heat*—Recitations and demonstrations three times a week, first half of second semester. The chemistry of foods, and of digestion and metabolism being fully covered in the department of chemistry, the department of physiology discusses the process of secretion and the conditions which modify glandular activity. The principles of dietetics are reviewed, and the metabolic changes which various foodstuffs undergo are followed through the system. Tu., Wed., Th., 9-10. Professor Hall.

e. *Physiology of the Special Senses*—Two laboratory periods and three recitations per week. The laboratory possesses extensive facilities for teaching the physiology of vision and special attention is given to the physics of refraction. One-half of second semester. Laboratory, Sec. I, Wed., Th., 1-4; Sec. II, Fri., Sat., 1-4; Sec. III, Mon., Tu., 1-4. Lectures, Tu., Wed., Th., 9-10. Professor Hall and Assistants.

f. *Physiology of the Central Nervous System*—Lectures, demonstrations, and recitations. Twice a week. One-half of second semester.

Laboratory same as Course e. Lectures, Mon., Wed., 5-6. Professor Grinker.

g. *Experimental Physiology of the Central Nervous System*—Laboratory work. One period a week. One-half of a semester. Elective. Professor Grinker.

THIRD AND FOURTH YEAR—ELECTIVE

h. *Pathologic Physiology*—Four hours a week.

i. *Dietetics, Theoretical and Practical*—Four hours a week.

Sanitary Science

PROFESSOR EVANS

Required Lecture Course—The organization of a health department, contagious diseases, disinfection, school inspection, hospitals, dispensaries and ambulances, vital statistics, food control, laboratories, and sanitary bureaus, with demonstrations in the smallpox hospital, drainage canal, water works, and in garbage destruction. One lecture a week. First semester, Wed., 5-6; second semester, Th., 4-5. Professor Evans.

Surgery

PROFESSOR MURPHY, PROFESSOR OWENS, PROFESSOR E. W. ANDREWS, PROFESSOR MORGAN, PROFESSOR PLUMMER, PROFESSOR HALSTEAD, PROFESSOR SCHROEDER, PROFESSOR SCHMIDT, PROFESSOR BESLEY, PROFESSOR RICHTER, PROFESSOR KANAVEL, DR. CUBBINS, DR. PIERCE, DR. FOX, DR. RIEBEL, DR. DANFORTH, DR. EGGERT, DR. LESPINASSE, DR. THOMAS, DR. BIANKINI, DR. BLACK, DR. ERICKSON, DR. FRANCIS, DR. GOLDEN, DR. KELLEY, DR. MOWRY, DR. PARKER, DR. RANKIN, DR. ROSS, DR. SCHRAGER, DR. SPEED, DR. SWIFT, DR. NELSON, DR. ISEMAN, DR. WELCH, DR. LEVITON, DR. HOY, DR. ANDREWS, DR. MOORE, DR. CURRY, DR. MCKENNA, DR. MENZIES, DR. STEVENS, DR. CHURCHILL, DR. CUMMINGS, DR. HOCHREIN, DR. FISHER, DR. GOWEN, DR. EUSTACE, DR. COLE, DR. CUSHWAY, DR. HORN DR. LEAHY AND DR. WOLFF.

The courses in surgery are systematically graded. Third-year students are given a thorough drill in recitations, conferences, clinics, and dispensary work covering the field of general surgery. Clinics are held at St. Luke's, Mercy, Cook County, Provident, People's, Post Graduate, and Wesley Hospitals. Dispensary patients are treated in the South Side and Calumet Avenue Dispensaries. In the fourth year a number of elective clinics are given, enabling students thoroughly to acquaint themselves with the most modern methods in surgical technique.

THIRD YEAR

a. *Recitations and Conferences on Surgery*—To cover the entire field of surgery, general and special, sections of the class meet three hours a week under each of the following: Professor Kanavel, Professor Besley, Professor Richter, Dr. Cubbins, Dr. Pierce, and Dr. McKenna. Each course continues five weeks, the section then passing to another instructor for the succeeding five weeks, and so on through the entire field of surgery. Mon., 9-10, Tu., 8-9, Wed., 4-5.

b. *Dispensary Clinics at Medical School on General and Orthopedic Surgery*—Individual instruction in divided classes six times a week for four weeks. Daily, 2-4. Professor Besley, Professor Kanavel, Professor Richter, Dr. Churchill, Dr. Eustace, Dr. Riebel, Dr. Fox, and Dr. Francis.

c. *Dispensary Clinics at Calumet Avenue Dispensary*—Daily, 10-12. Professor Murphy, Dr. Nelson, Dr. Iseman, Dr. Welch, Dr. Speed, Dr. Biankini, Dr. Leviton, Dr. Hoy, Dr. Andrews, Dr. Moore, Dr. Magnusen, Dr. Eustace, and Dr. Cummings.

d. *Dispensary Clinics in Genito- Urinary Surgery at the Medical School*—Individual instruction in divided classes six times a week for four weeks. Daily, 2-4. Professor Schmidt, Dr. Lespinasse, Dr. Ross, Dr. Swift, Dr. Mowry, Dr. Curry, and Dr. Fisher.

e. *Dispensary Clinics at Provident Hospital*—Wed., 2-3. Dr. Fox.

f. *Operative Surgery on Cadaver and Dog.*—Laboratory. Second semester. Three periods a week for four weeks. Mon., Tu., Th., 1-3. Dr. Cubbins and Associates.

g. *Clinical Lectures at Wesley Hospital Amphitheater*—Tu., 4-6. Professor Besley; Th., 4-6., Professor Richter.

h. *Clinical Lectures at St. Luke's Hospital*—Once a week. Wed., 1:45-3:45. Professor Owens, Professor Plummer, and Professor Halstead.

i. *Operative Surgical Clinics at Post-Graduate Hospital*—Once a week. One section of the class each month. Th., 10-12. Professor Kanavel.

j. *Clinic—Genito-Urinary Surgery*—Once a week. Sat., 3:30-5. Professor Schmidt.

k. *Surgical Clinics at Cook County Hospital*—Professor Halstead and Professor Besley, Fri., 10-12; Professor Andrews and Professor Schroeder, Fri., 3-5.

FOURTH YEAR—REQUIRED

l. *Surgical Clinics*—Two two-hour periods each week at Mercy Hospital. Mon., Th., 10-12. Professor Murphy and Assistants.

m. *Surgical Clinic*—One three-hour period each week at Wesley Hospital. Sat., 9-12. Professor Schroeder.

FOURTH YEAR—ELECTIVE

n. *Surgical Clinic*—Two two-hour periods each week at Mercy Hospital. Tu., Fri., 8-10. Professor E. Wyllys Andrews.

o. *Lectures on Genito-Urinary Surgery*—Once each week. Tu., 5-6. Professor Schmidt.

p. *Surgical Clinic*—Once each week at People's Hospital. Th., 2-4. Dr. Riebel.

q. *Ward Walks*—Dr. Riebel, Wesley Hospital, Mon., 9-10; Dr. Pierce, Mercy Hospital, Mon., 9-10; Dr. Parker, Wesley Hospital, Mon., 2-3; Dr. Fox, Wesley Hospital, Wed., 2-3; Dr. Halstead, St. Luke's Hospital, Th., 8-9.

r. *Lectures on Emergency Surgery*—Once a week for one semester. Mon., 5-6. Dr. Pond.

s. *Clinic in Genito-Urinary Surgery—Alexian Brothers Hospital*—Daily 8-10. Professor Schmidt.

t. *Special Training in Orthopedic Surgery*—Selected students receive personal training at the Home for Destitute Crippled Children, in operative technique, in ordering and adjusting of braces, in applying plaster of Paris dressings, in selecting materials, and in the details of manufacture of orthopedic appliances. Fri., 1-3.

Buildings, Hospitals, and Hospital Staffs

The Laboratory Building is situated on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings. On the first floor are an amphitheater the laboratories of physiology and biology, and the rooms occupied by the medicine and surgery dispensary clinics; on the second floor are the laboratories for pathology, bacteriology, hygiene, and clinical pathology, and the pathological museum; and on the third floor, large laboratories for histology and embryology, with three smaller rooms for original research, equipped with necessary apparatus, a large lecture-room, a room for chemical and physical apparatus, and the private laboratory of the Professor of Chemistry. On the fourth floor, one-half of the entire space is occupied by chemical and surgical laboratories, and the other half by the laboratories of physiological chemistry and pharmacology, with smaller rooms for research work. On the fifth floor are dissecting rooms, a room for demonstrating topographical anatomy, and three smaller rooms for special dissections.

Davis Hall was erected in the summer of 1893. On the first floor are the administrative offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and suites of rooms for the dispensary departments of laryngology and rhino-

logy and genito-unriary surgery. On the second and third floors there are a small amphitheater, and suites of rooms equipped for the departments of gynecology, orthopedics, neurology, pediatrics, otology, ophthalmology, and dermatology. On the third floor large clinic rooms and research laboratories have been equipped for clinical research work in eye and ear diseases, done nowhere else in this country. On the fourth floor are the library and reading-rooms. Thirty thousand patients are treated here annually.

The Calumet Avenue Dispensary is a two-story building erected in 1908 to provide for ambulatory patients. Sixteen clinic rooms ensure privacy and thoroughness of examination. In addition to these there are on the main floor a dry room, an X-Ray laboratory, a photographic room, with dark-room equipment and office, and a Director's room. On the second floor is a large assembly room. Two pathological laboratories are provided for investigation and research.

Mercy Hospital is situated on Twenty-sixth Street, extending from Prairie Avenue to Calumet Avenue. It is under the care of the Faculty of this School, and is conducted by the Sisters of Mercy. It receives over three thousand patients annually. A large new pavilion has just been erected. The capacity is about four hundred beds and the operating rooms are equipped with every modern facility.

Daily clinics are held in the hospital amphitheater, and at the bedsides in the wards. The members of the classes are allowed to examine cases for themselves in order to acquire a personal familiarity with the clinical aspects of a large variety of diseases. In groups of two or three, fourth year students are allowed to watch the progress of obstetrical cases under the direction of the house physicians. A laboratory, equipped for clinical bacteriology and microscopical work, is utilized for teaching purposes and for clinical examinations.

The annual fee for the Mercy Hospital ticket is six dollars.

Wesley Hospital stands beside the School buildings and is connected with them by a covered corridor. Among the most notable recent additions to the equipment of the Medical School are the operating rooms, wards, and laboratories of Wesley Hospital. The wards and private rooms contain together two hundred twenty-five beds. The instruction given to the students in Wesley Hospital constitutes a very important part of the clinical course. A new wing costing $110,000 has been erected, and the facilities thus provided will make Wesley one of the best equipped hospitals in the West.

The Hospital has four large wards, of twenty beds each, separating the sexes, and medical from surgical patients. There are also eight smaller wards, a children's ward and two babies' wards. The patients from these larger and smaller wards are available for clinical instruction. Over four thousand patients were treated last year.

The annual fee is five dollars.

St. Luke's Hospital is situated on Indiana Avenue, near Fourteenth Street. Owing to its central location, it receives many accident cases, and its surgical clinic is large. Clinics are given regularly in medicine, surgery and gynecology, and are attended principally by the third year students. The addition of the new George Smith Memorial Pavilion gives this hospital a superior equipment, and a capacity of over four hundred beds. The annual fee is five dollars.

Provident Hospital is situated at the corner of Thirty-sixth and Dearborn Streets. It has been enlarged and now has one hundred beds, accommodating eight hundred patients annually. A large dispensary treats about six thousand ambulatory patients each year.

The People's Hospital is a private institution, organized in 1897 by Dr. I. C. Gary, Northwestern University, 1889, as an ideal wage-earner's hospital for persons in moderate circumstances.

It is conveniently situated at the corner of Archer Avenue and Twenty-second Street, within short walking distance of the School. One interne is appointed each year from the graduating class at the School, and two fourth year students live at the hospital and serve as assistants. The hospital is well supplied with operating rooms and with a complete laboratory, and is open to the School for clinical teaching.

The Chicago Lying-In Hospital and Dispensary offers a clinical and didactic course. Each fourth year student takes a course of two weeks during which he conducts from six to ten labors, under the supervision of the resident staff, and attends the mother and child during the puerperium.

The Hospital is situated at 515 South Ashland Boulevard, the Dispensary at 1332 Newberry Avenue, in the most thickly populated district of Chicago. Its work is done in the homes of the patients. Over eleven hundred patients are confined in this service yearly—one hundred fifty in the Hospital, and nine hundred and fifty in the Dispensary.

An essential and valuable part of the fourth year course are the two weeks spent by each student in residence at the Lying-In Dispensary. This institution is situated in the heart of the poorer districts of Chicago, and it cares for poor women during confinement at their own homes. A physician, a student, and a nurse are sent to the patient's house, and take care of her during labor just as she would be treated if she were well-to-do. The student and nurse visit mother and babe daily for ten days afterward. The student learns a definite and minute aseptic technique and system in obstetric work, beside gaining accurate knowledge of the mechanism and conduct of labor. He learns the physiological manifestations of the puerperal changes, and studies the newly born child as it accommodates itself to extra-uterine existence. Thus in later practice he will be able to distinguish the diseased from the normal conditions.

The pathological service is large, and each student sees and assists at

three or more operations either in the Dispensary service itself or in the hospitals allied to the School to which the patients are transported. During the two weeks in residence, he personally attends six or more deliveries and makes 80 to 120 post partum visits. His time not spent at cases is employed in studying obstetrics and in obstetric colloquia with the physicians.

The fee for the course is fifteen dollars, payable in advance to the Hospital.

The Cook County Hospital is a public institution situated at the corner of Wood and Harrison Streets. The average number of patients is between nine hundred and a thousand daily. It is open to all medical schools for clinical instruction. About a thousand students attend its clinics. The representatives of the Faculty of Northwestern University on the Hospital Staff are: in Medicine—Professor Mix, Professor Preble, Professor Harpole, Professor Elliott, and Dr. Goldsmith; in Neurology—Professor Patrick and Professor Grinker; in Surgery—Professor Murphy, Professor Andrews, Professor Schroeder, Professor Halstead, and Professor Besley; in Ophthalmology—Professor Pusey; in Pathology—Professor Evans; In Obstetrics—Professor De Lee and Dr. Stowe; in Pediatrics—Professor Abt; in Laryngology—Professor Marquis.

Clinics by members of this Faculty are given every Friday.

Hospital Staffs

Members of the Faculty of Northwestern University Medical School are indicated by stars placed after their names.

MERCY HOSPITAL

CONSULTING PHYSICIANS

Frank S. Johnson,* M.D., John H. Hollister,* M.D.

ATTENDING STAFF

Surgery—J. B. Murphy,* M.D., E. W. Andrews,* M.D., William E. Morgan,* M.D., Frank E. Pierce,* M.D., John F. Golden,* M.D.

Obstetrics—Joseph B. De Lee,* M.D., David F. Monash,* M.D., Herbert M. Stowe, * M.D.

Orthopedic Surgery—John Ridlon, M.D.

Gynecology—Frank T. Andrews,* M.D., Thomas J. Watkins,* M. D., Walter S. Barnes,* M.D.

Medicine—Nathan S. Davis,* M.D., Arthur R. Edwards,* M.D., George B. Dyche,* M.D., Paul Chester,* M.D., Milton Mandel,* M.D., Charles Louis Mix,* M.D., Charles A. Elliott,* M.D.

Eye and Ear—Richard J. Tivnen,* M.D.

Neurology—Archibald Church,* M.D.

Dermatology—Joseph Zeisler,* M.D.
Nose and Throat—Frederick Menge,* M.D.
Pathology—Frederick R. Zeit,* M.D.
Pediatrics—Robert M. Krost,* M.D.

WESLEY HOSPITAL

ATTENDING STAFF

Thomas J. Watkins,* M. D., Chairman
Frederick Menge,* M.D., Secretary
I. N. Danforth, M. D., Consultant

Physicians—Arthur R. Edwards,* M.D., Robert Preble,* M.D., Nathan S. Davis,* M.D., Charles A. Elliott,* M.D., Achilles Davis,* M.D., George B. Dyche,* M.D.
Pediatrician—Frank X. Walls,,* M.D.
Neurologist—Archibald Church,* M.D.
Dermatologist—Lucius C. Pardee,* M.D.
Pathologists—Robert F. Zeit,* M.D., Walter H. Buhlig,* M.D.
Surgeons—William E. Schroeder,* M.D., Frederick A. Besley,* M.D., Harry M. Richter,* M.D., Allen B. Kanavel,* M.D.
Gynecologists—Thomas J. Watkins,* M.D., E. C. Dudley,* M.D., Frank T. Andrews,* M.D., A. H. Curtis,* M.D.
Obstetricians—Joseph B. De Lee,* M.D., Charles B. Reed,* M.D.
Laryngologist—Frederick Menge,* M.D.
Ophthalmologist—Brown Pusey,* M.D.
Aurist—John G. Wilson,* M.D.
Genito-Urinary Surgeon—Louis E. Schmidt,* M.D.

ADJUNCT STAFF

Physician—Alexander A. Goldsmith,* M.D.
Pediatricians—Joseph Brennemann,* M.D., Robert A. Krost,* M.D., Dudley Jackson, M.D.
Neurologists—Julius Grinker,* M.D., D'Orsay Hecht,* M.D.
Dermatologist—Frank E. Simpson,* M.D.
Gynecologist—Robert T. Gillmore,* M.D.
Surgeons—William C. Danforth,* M.D., Frederick C. Eggert,* M.D., Charles M. Fox,* M.D., Frank D. Francis,* M.D., Charles M. Matter, M.D., Rupert Parker,* M.D., Ernest C. Riebel,* M.D., J. F. Churchill,* M.D., C. A. Erickson,* M.D.
Obstetricians—Herbert M. Stowe,* M.D., Fred Werner,* M.D.
Laryngologists—Charles B. Younger,* M.D., George J. Dennis,* M.D.

ASSISTANT STAFF

Physicians—Luther J. Osgood,* M.D., Alfred J. Willetts,* M.D.

Surgeons—Norman Curry,* M.D., Guy Gowan,* M.D., Robert Menzies, M.D.

Gynecologists—Frank Van Kirk, M.D., Mark Goldstine, M.D.

Laryngologist—Otis H. Maclay,* M.D.

Orthopedic Surgeons—Charles F. Eikenbary, M.D., Charles M. Jacobs, M.D., Arthur B. Rankin,* M.D.

Aurist—Walter P. McGibbon,* M.D.

Oculist—George T. Jordan,* M.D.

ST. LUKE'S HOSPITAL

CONSULTING STAFF

I. N. Danforth, M.D.
Frank Billings, M.D.

ATTENDING STAFF

Surgeons—John E. Owens,* M.D., Lewis L. McArthur, M.D., W. H. Allport, M.D., A.E. Halstead,* M.D., W. E. Morgan,* M.D., S. C. Plummer,* M.D.

Gynecologists—E. C. Dudley,* M.D., T. J. Watkins,* M.D., L. E. Frankenthal,* M.D., Wm. Cuthbertson,* M.D.

Ophthalmologists and Otologists—Frank Allport, M.D., Casey Wood, M.D., T. A. Woodruff, M.D., Paul Guilford, M.D., T. E. Brawley, M.D., C. D. Westcott, M.D.

Orthopedic Surgeons—Frederick Mueller, M.D., John L. Porter, M.D., E. W. Ryerson, M.D.

Neurologists—Archibald Church,* M.D., Sanger Brown, M.D., Harold N. Moyer, M.D.

Laryngologists and Rhinologists—W. E. Casselberry,* M.D., T. Melville Hardie, M.D., Norval H. Pierce, M.D., George P. Marquis,* M.D., J. T. Campbell, M.D.

Physicians—Henry B. Favill, M.D., Robert B. Preble,* M.D., Gustav Futterer, M.D., Arthur R. Elliott, M.D., E. B. Hutchinson, M.D., N.S. Davis,* M.D.

Obstetricians—Frank Cary, M.D., Junius C. Hoag, M.D., Chas. E. Paddock, M.D., H. D. Peterson, M.D., Robert J. Gay, M.D.

Oral Surgeons—Thomas L. Gilmer, M.D., Arthur D. Black, M.D.

Pathologist—E. R. LeCount, M.D.

Pediatricians—Francis X. Walls,* M.D., Joseph Brennemann,* M.D., H. W. Cheney,* M.D.

Dermatologists and Radiotherapists—W. A. Pusey, M.D., Wm. L. Baum, M.D.

PROVIDENT HOSPITAL

CONSULTING STAFF

Surgeons—William E. Morgan,* M.D., William E. Schroeder,* M.D.

Physicians—Frank Billings, M.D., Albert H. Burr, M.D.

Gynecologists—Emilius C. Dudley,* M.D., Thomas J. Watkins,* M.D.

Obstetricians—Junius C. Hoag, M.D., Charles E. Paddock, M.D.

Laryngologist—Frederick Menge,* M.D.

Neurologist—Richard Dewey, M.D.

Oculist and Aurist—Casey Wood, M.D.

Children's Diseases—Isaac A. Abt,* M.D.

Pathologist—W. H. Buhlig,* M.D.

ATTENDING STAFF

Surgery—Daniel H. Williams, M.D., A. A. Wesley, M.D., J. Charles Hepburn, M.D., G. C. Hall, M.D., James M. Neff, M.D.

Obstetrics—Joseph B. DeLee,* M.D., David S. Hillis,* M.D.,

Dermatology and Genito-Urinay Surgery—Albert E. Mowry,* M.D., K. A. Zoralski, M.D.

Gynecology—A. W. Williams, M.D., B. Van Housen, M.D., Charles M. Fox,* M.D., Robert T. Gillmore,* M.D.

Pathology—S. C. Dickerson, M.D.

Medicine—Edward S. Stewart, M.D., Luther J. Osgood,* M.D., D. E. Burrows, M.D.

Eye and Ear—W. A. Mann, M.D., M. Z. Albro, M.D.

Nose and Throat—J. Frank McKinley, M.D., Edward P. Norcross, M.D.

Pediatrics—Andrew L. Smith, M.D., J. R. White, M.D., Clifford G. Grulee, M.D.

Oral Surgery—C. E. Bentley, M.D., C. P. Pruyn, M.D.

Orthopedics—Henry B. Thomas,* M.D., F. C. Jacobson, M.D.

PEOPLE'S HOSPITAL

CONSULTING STAFF

Consulting Surgeon—W. E. Morgan,* M.D.

Consulting Physician—Geo. W. Webster, M.D.

Consulting Gynecologist—F. T. Andrews,* M.D.

Consulting Neurologist—Hugh T. Patrick,* M.D.

ATTENDING STAFF

Surgical—Wm. E. Schroeder,* M.D., Surgeon in Chief; E. C. Riebel,* M.D., Associate Surgeon in Chief; Charles J. Drueck, M.D., James Whitney Hall, M.D., John Steele Sweeney, M.D., Wm. B. Whitaker, M.D., G. G. Burdick, M.D., John L. Porter, M.D., M. F. Murray, M.D.

Medical Staff—C. A. Elliott,* M.D., Wm. R. Parsons, M.D., L. M. Barlow, M.D., John L. Sweeney, M.D., C. P. Caldwell, M.D., L. J. Isaacs, M.D., J. R. Kewley, M.D., W. A. Peterson, M.D., K. A. Zoralski, M.D., C. H. Bryan, M.D.

THE SOUTH SIDE DISPENSARY

MEDICINE

Arthur R. Edwards,* M.D.
Robert B. Preble,* M.D.
Charles L. Mix,* M.D.
Achilles Davis,* M.D.
Walter H. Buhlig,* M.D.
John M. Lilly,* M.D.
Leo G. Duan,* M.D.
Luther J. Osgood,* M.D.
Albert Pech,* M.D.
Alfred J. Willetts,* M.D.
Arthur F. Beifeld,* M.D.
James G. Carr,* M.D.
William D. Napheys,* M.D.
George D. Griffin,* M.D.

SURGERY

William E. Schroeder,* M.D.
Harry M. Richter,* M.D.
Frederick A. Besley,* M.D.
Gordon T. Courtenay,* M.D.
James Churchill,* M.D.
R. W. Menzies,* M.D.
Bert S. Stevens,* M.D.
John A. Wolfer,* M.D.

NEUROLOGY

Archibald Church,* M.D.
Hugh T. Patrick,* M.D.
Julius Grinker,* M.D.
D'Orsay Hecht,* M.D.
George C. Shockey,*M.D.
William E. Brenneman,* M.D.
Albert B. Yudelson,* M.D.
Harry B. Berngardt,* M.D.

GYNECOLOGY

Emilius C. Dudley,* M.D.
Thomas J. Watkins,* M.D.
Frank T. Andrews,* M.D.
Walter S. Barnes,* M.D.
Arthur H. Curtis,* M.D.
Robert T. Gillmore,* M.D.
Louis J. Pritzker,* M.D.
Otto S. Pavlik,* M.D.
J. J. Andrews,* M.D.

OPHTHALMOLOGY

Brown Pusey,* M.D.
George T. Jordan,* M.D.

OTOLOGY

John G. Wilson,* M.D.
Walter P. McGibbon,* M.D.

PEDIATRICS

Frank X. Walls,* M.D.
Joseph Brennemann,* M.D.
John G. Campbell,* M.D.
Robert A. Krost,* M.D.
Henry W. Cheney,* M.D.
Mark Jampolis,* M.D.

LARYNGOLOGY AND RHINOLOGY

Frederick Menge,* M.D.
Charles B. Younger,* M.D.
George J. Dennis,* M.D.
Otis H. Maclay,* M.D.
Edward S. Stewart,* M.D.

DERMATOLOGY AND SYPHILOLOGY

Joseph Zeisler,* M.D.
Lucius C. Pardee,* M.D.
Frank E. Simpson,* M.D.
Alfred F. Jacobson,* M.D.

GENITO-URINARY SURGERY

Louis E. Schmidt,* M.D.
Victor D. Lespinasse,* M.D.
James G. Ross,* M.D.
Brown Fred Swift,* M.D.
Albert E. Mowry,* M.D.
Norman D. Curry,* M.D.
G. Carl Fisher,* M.D.
Maurice Wolff,* M.D.

THE CALUMET AVENUE DISPENSARY

MEDICINE

Arthur R. Edwards,* M.D.
George B. Dyche,* M.D.
Paul Chester,* M.D.
Milton Mandel,* M.D.

SURGERY

John B. Murphy,* M.D.
Bernard Nelson,* M.D.
L. L. Iseman,* M.D.
John Thomas Welch,* M.D.
Adolph H. Leviton,* M.D.
Kellogg Speed,* M.D.
A. Biankini,* M.D.
Carl D. Hoy,* M.D.
John J. Andrews,* M.D.
Alfred N. Moore,* M.D.
Henry T. Cummings,* M.D.
George W. Hochrein,* M.D.
Jeremiah E. Leahy,* M.D.

General Announcements

LOCATION

The Medical School is in Chicago, on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It is the only Medical School on the South Side, and consequently is furnished with an almost exhaustless supply of clinical material. Wesley Hospital is situated on the corner of Dearborn and Twenty-fifth Streets, and is connected with the Medical School buildings by corridors. Mercy Hospital is a short walking distance to the east of the School, and St. Luke's is nearby, to the north of the School.

Provident Hospital is to the south on Dearborn Street, and the People's Hospital is west on Twenty-second Street at Archer Avenue. Cook County and the Lying-in Hospitals are within a short car ride of the School buildings.

TO REACH THE MEDICAL SCHOOL

Take the South Side Elevated Railroad to Twenty-sixth Street. The School is one block west and one block north. The State Street cars stop at Twenty-fifth Street, one block east of the Medical School. Or, take Through Route No. 22, or Wentworth Avenue cars to Twenty-fifth Street and walk three blocks east.

THE LIBRARY

The Library of the Medical School, formerly known as the Alumni Library, is situated on the fourth floor of Davis Hall. It has been acquired by purchase and by donations from students, alumni, and members of the faculty. It contains a large number of reference books, dictionaries, current journals, and all of the larger systems of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear. The Library is open from 8:30 to 5 o'clock daily. An attendant is constantly present, to aid the student. Special attention is paid to current medical literature, and to the completion of files of standard journals.

THE PATTEN RESEARCH FUND

In 1910 Mr. James A. Patten of Evanston donated to the University securities yielding an annual income of $10,000, which is to be expended in a scientific investigation of the factors that cause disease and in a study of the defensive forces that protect the body against the microbes of disease. While this gift is unfettered by restrictions, the donor expressed a hope that attention would be directed to tuberculosis or some subject bearing on this malady. The University gladly welcomed a fund to be expended in medical research believing that thereby the progress of scientific medicine would be stimulated and that distinct benefit would accrue to the University as a teaching and investigating institution in medical research; also that through its laboratories such investigations would be carried on as would redound to the well-being of mankind.

VAIL RESEARCH FUND

Dr. A. S. Vail established a research fund by a gift of $1,000.00, increased by later contributions by Dr. Vail and others. The interest on the principal is used for research fellowships. Gifts from alumni will be welcomed.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association of Northwestern University Medical School was organized in 1892 and is connected with the Intercollegiate Department of the Chicago Association. Its members obtain the full privileges of any of the Association buildings in this city at sixty per cent of the regular rates.

The Association aims to maintain a high moral and religious tone in the School. It conducts a religious meeting once a week during the college year and weekly classes in Bible-study. Committees of the Association aid students in obtaining board and rooms. Connected with the Medical School Association is an efficient employment bureau conducted under the supervision of a General Secretary. A canvass is made each summer and places found for students wishing to earn money during the medical course. Students who desire partly to support themselves while attending school are urged to correspond with the Secretary of the Association.

FEES AND EXPENSES

Matriculation Fee—The student is required to pay at the time of his first registration a matriculation fee of five dollars, which is paid but once, is charged to all students alike, and is in no case refunded.

Annual Fee—The annual fee is one hundred seventy-five dollars, due in installments as follows: Before October 6, $60.00; before January 4, $60.00; before April 2, $55.00. *Failure to comply with this regulation entails suspension from the quiz lists.* A discount of $15.00 is made when all fees and deposits for the year are paid on or before the second day of school.

Hospital Fees—The hospital fees are payable at the various hospitals:

Mercy Hospital	$6.00
Wesley Hospital	5.00
Lying-in Hospital	15.00
Cook County Hospital	5.00
St. Luke's Hospital	5.00

Examination Fee—A fee of five dollars is charged for a special examination taken out of course.

Laboratory Fees—Each student who does not possess a microscope may use those belonging to the Uuiversity by paying $2.50 each semester.

In Clinical Pathology each student will be charged $1.00 for the use of a microscope.

For each part redissected in the Anatomical Laboratories a charge of $7.00 will be made. The cadaver is divided into six parts for the purposes of instruction, namely; head, neck, thorax, arm, abdomen and leg. Special students not regularly entered for a degree will pay $10 for a dissection of each of the above named parts.

A deposit of $5.00 is required from each student in the following courses: Histology, Bacteriology, Pathology, and Clinical Pathology. The fee purchases a materials ticket entitling the holder to use laboratory supplies to the full value of his ticket. The unused balance is refunded to him at the end of the course.

A deposit of ten dollars is required from each student, payable on or before the first Monday in October, to cover breakage and injury to apparatus in the laboratories, unnecessary damage to buildings, loss of instruments in laboratories and clinics. This deposit is refunded if no injury or loss occurs. Deductions to cover loss are made from the deposit of individual students, when it can be determined who has caused breakage or loss of apparatus or defacement of buildings; when it cannot be so determined, the loss or injury is deducted pro rata from the deposits of all students.

Refunds—No refund of tuition fees is made except on account of serious illness. A student withdrawing before the middle of a semester who secures from the Dean a statement of honorable standing and from a physician a certificate of inability to remain in attendance, is allowed one-half the tuition fee for that semester.

Assignment of Seats—Students of the three upper classes may register and secure seats in the amphitheaters at the opening of the session, or they may do so at an earlier date by sending five dollars to the Registrar of the School.

The right is reserved to alter fees and to levy new fees without notice, as conditions may demand. Drafts should be made payable to Northwestern University.

Special students are charged $25.00 a semester, for each laboratory course, with its accompanying lectures, and $25.00 for each month of clinical work taken, including the course in Clinical Pathology, with the exception of the courses in gross Anatomy. These courses are charged at the rate above mentioned for dissections of parts of the cadaver. Alumni are welcome to attend clinics and lectures for a brief time—those taking all of the work of any one year pay the same fee as regular students.

BOARD AND LODGING

There are no residence halls for the use of the medical students, but board and lodging may be obtained at reasonable rates in private families who live near the school. A list of these places is maintained by the College Y. M. C. A. and students may apply to the Secretary for this information.

ESTIMATED COST OF LIVING

	Lowest	Average	Liberal
Matriculation fee, payable but once	$ 5.00	$ 5.00	$ 5.00
Tuition, for each year	160.00	160.00	160.00
Breakage fee, for each year	10.00	10.00	10.00
Laboratory and Hospital tickets	5 to 25.00	5 to 25.00	5 to 25.00
Board and room	129.00	180.00	252.00
Laundry	24.00	36.00	45.00
Books and Instruments	15.00	22.00	35.00
Incidentals	50.00	75.00	100.00
	$398 to $418	$493 to $513	$613 to $632

TEXT-BOOKS AND BOOKS FOR REFERENCE FOR 1910-1911

The names of Text-books used are printed in capitals and small capitals.

Dictionaries—GOULD; Century.

Anatomy—CUNNINGHAM; Piersol; Morris; Quain; Atlases of Spalteholz, Toldt, Sabotta.

Histology—STÖHR; Stöhr-Lewis; Böhm-Davidoff; Böhm-Davidoff-Huber.

Embryology—HEISLER; McMurrich; Bailey and Miller.

Anatomical Neurology—MORRIS' HUMAN ANATOMY, PART III; Quain; Van Gehuchten; Barker; Edinger, Atlases of Spalteholz, Sabotta, Toldt.

Physiology—HALL'S TEXT-BOOK OF PHYSIOLOGY; HALL'S MANUAL OF EXPERIMENTAL PHYSIOLOGY; Text-Books of Physiology by Howell, Brubaker, Landois.

Chemistry—LONG'S TEXT-BOOK OF PHYSIOLOGICAL CHEMISTRY; LONG'S URINE ANALYSIS; REMSEN'S ORGANIC CHEMISTRY.

Pharmacology—CUSHNY, TEXT-BOOK OF PHARMACOLOGY AND THERAPEUTICS; Sollman, Text-Book of Pharmacology; Schmiedeberg, Lehrbuch der Pharmakologie; The United States Pharmacopoeia.

Pathology—DELAFIELD AND PRUDDEN; ADAMI, GENERAL PATHOLOGY; WELLS, CHEMICAL PATHOLOGY; DURCK, PATHOLOGIC HISTOLOGY; MALLORY AND WRIGHT, PATHOLOGICAL TECHNIQUE; Ziegler's General and Special Pathology; Text-Books by Stengel, McFarland, Coplin, Schmaus, Cattell; Kaufman, Special Pathology.

Bacteriology—MCFARLAND; Parks; Jordan; Williams; Muir and Ritchie; Abbott; Heim; Kolle und Wasserman.

Laboratory Diagnostic Methods—EMERSON, CLINICAL DIAGNOSIS; Wood, Chemical and Microscopic Diagnosis; Sahli, Diagnostic Methods; Simon; Long, and Hammersten, upon Physiological Chemistry; Cabot, on Blood.

Operative Surgery—STIMSON; BICKHAM; Morris' Human Anatomy, Part V.

Medical Jurisprudence—Draper; Reese; Taylor.

Nervous Diseases—Church and Peterson; Dana; Gowers; Dercum; Gray; Mills.

Practice of Medicine—Edwards; Osler; Davis' Heart, Lungs, and Kidneys; Eichhorst; Leube's Diagnosis; Strümpell.

Surgery—Lexer-Bevan; Keen; Martin von Bergman-Bull; Park; Da Costa; Wyeth; Bland Sutton on Tumors; Ochsner; Bryant; Jacobsen; American Text-book of Surgery; Waring's Manual of Operative Surgery.

Obstetrics—De Lee's Notes; Williams; Edgar; De Lee's Obstetrics for Nurses.

Physical Diagnosis—Butler; Vierordt; Musser; Leube; Sahli; Lefevre; Cabot.

Diseases of Children—Holt, Koplik; Hatfield; American Text-Book of Children.

Gynecology—Dudley; Byford; Webster; Kelly; Emmett; Montgomery; Reed.

Laryngology—Kyle; Coakley; McBride; Wright; American Text-book of Eye, Ear, Nose and Throat.

Dermatology—Stelwagon; Walker; Jackson.

Orthopedic Surgery—Ridlon and Jones; Bradford and Lovett; Whitman; Lovett's Lateral Curvature.

Syphilis and Venereal Diseases—Schmidt; Keyes.

Dietetics—Williams; Hutchinson; Thompson.

Hygiene and Sanitary Science—Harrington.

Diseases of the Eye—May; Fuchs.

ROUTINE OF REGISTRATION

Each student before entering upon his work, is required to register in person at the office of the Registrar at the beginning of the year. On the registration days of the first semster students must register for the work of the whole year.

Applications for admission should be addressed to the Registrar of the Medical School. When presenting himself for admission the applicant should bring an official statement of his entrance credits, if he is entering the freshman class; a letter of honorable dismissal and an official statement of his previous work, if he is entering with advanced standing from another 'nstitution. These credentials will be passed upon by the Secretary of the Faculty, Faculty Room, Davis Hall.

A new student will receive from the Secretary of the Faculty a card entitling him to matriculate, when his admission credits are accepted. Students matriculate and pay their fees in the office of the Registrar, Davis Hall. If tuition fees are not paid on the second day of school the discount of $15 is not granted, making the tuition $175.00 for the year. After receiving

a receipt for their fees, students are permitted to register for the various classes. Registration is completed on the fourth floor of Davis Hall where the Registration books are accessible. Failure to pay fees or to register entails loss of credit through failure to appear on the class lists.

GRADES OF SCHOLARSHIP

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is entered on record. Semester records are not given to the students who are in arrears in their tuition fees, and no reports are given to fourth year students.

Work reported as of Grade D must either be made good at the next following opportunity for re-examination, or must be taken again in the class room if credit is to be obtained. Work reported as of grade E, or in which two D's have been reported must be made up in class.

No credit will be given to students for section work unless taken according to schedule with the section to which the student is assigned.

EXAMINATIONS

Regular examinations are held at the end of each semester. Second examinations are held in October, February, and May. These are for the benefit of students who have been absent from regular examinations, or who have failed to receive a passing grade at a regular examination. Students delinquent in two or more branches , after the October examinations, are required to take those branches a second time and may not elect studies that conflict with them. Such students will be listed as unclassified. Any student who has received a D and who wishes to take a re-examination must receive permission from the Chairman of the Committee on Re-examinations.

REQUIREMENTS FOR GRADUATION

To obtain the degree of Doctor of Medicine, the candidate must be of good moral character and must maintain an irreproachable moral standing while at School; he must be at least twenty-one years of age; he must pay all fees in full; he must complete satisfactorily four full annual courses of lectures of eight months each, including all the topics listed as required; he must dissect the median half of the human body; he must be in attendance upon clinics for three years; he must secure satisfactory standing in all final examinations.

HONORS

A general honor, *Cum Laude*, is granted to students elected by the Faculty for uniformly good standing.

Special honors are awarded to students of uniformly good standing in required subjects and who do special work of excellent character in any department.

RULES REGARDING GRADUATE STUDIES AND DEGREES IN THE COLLEGE OF LIBERAL ARTS

Candidates for the degree of Bachelor of Arts or Bachelor of Science are governed by the rules affecting such degrees as printed in this Catalogue, pages 128 to 129. Candidates for the Master's Degree are governed by the rules affecting such degrees as printed in this Catalogue, pages 146 to 147, with the provision however that in addition to complying with these regulations he is directly subject to the direction of his work by the Committee on Graduate Study in the Medical School.

Training Schools for Nurses

Both Mercy Hospital and Wesley Hospital conduct a school for nurses, with curriculum under the general supervision of the Medical School. The laboratory instruction is provided by the School. A high school diploma is required for admission.

The courses for nurses are separate from those of the medical students, but the laboratories and the facilities of the Medical School are freely available. The practical work for nurses is given in the hospitals under the immediate charge of the teaching force of each hospital. The diplomas for nurses are granted at the University Commencement.

OFFICERS OF THE FACULTY FOR NURSES

The faculty of the School for Nurses includes many instructors connected with the hospitals and with the Medical School. The officers are as follows:

Professor Winfield Scott Hall.....Junior Dean of Medical Faculty, In Charge of Course of Study, Lecturer on Physiology and Dietetics.

Sister Mary Veronica.....Principal of the Training School of Mercy Hospital and Superintendent of Nurses

Bertha L. Knapp, R.N.....Principal of the Wesley Hospital Training School

COURSES OF INSTRUCTION FOR NURSES

Anatomy—Demonstrations from the human subject covering especially surface landmarks of all important structures of the body cavities and of surgically important regions; anatomy of the abdominal organs; anatomy of the thoracic organs; anatomy of the pelvic organs and the genitalia. Twenty-four periods. Dr. Kurtz.

Chemistry—Laboratory work and recitations on elementary inorganic and organic chemistry, touching the fundamental principles of chemistry and of chemical reactions, and of molecular structure; also the chemical properties of the principal elements and compounds. This course is required as preparatory for the course in physiology and dietetics. Twenty-four periods. Professor Long and Mr. Johnson.

Physiology and Dietetics—Laboratory work and recitations in the subject of nutrition; the chemistry of food-stuffs and of foods; the chemistry and motor phenomena of digestion; the chemical changes which foods undergo in the body; the process of excretion; the principles of dietetics, covering the food value of food-stuffs, of foods, and of menus, and the devising of typical menus for various conditions of health and disease. Thirty-two periods. Professor Hall.

Bacteriology—Laboratory work, demonstrations and recitations dealing with the general principles of bacterial life and growth, and the principles of sterilization and disinfection. Twenty-four periods. Professor Zeit and Dr. Glenn.

The Training School for Nurses of the Evanston Hospital is affiliated with Northwestern University and diplomas of graduation are awarded to nurses on the completion of their course of study by the Hospital Association and the University jointly. The course of study, the methods of instruction, and the requirements for graduation are determined by a joint committee and instruction is given at the Medical School of the University, in the laboratories of the College of Liberal Arts, and at the Evanston Hospital. The course of study is practically the same as that required at the training school of Mercy Hospital and of Wesley Hospital.

Information regarding the complete courses offered to Nurses in the affiliated Hospitals may be obtained by addressing the Principal of either the Mercy or Wesley Hospital Training School for Nurses, Chicago, Illinois, or the Superintendent of Evanston Hospital, Evanston, Illinois.

Information regarding the Medical School may be obtained by addressing Northwestern University Medical School, 2431 *Dearborn Street, Chicago.*

The Law School

THE LAW SCHOOL was founded in 1859 with a sum of money given by Thomas Hoyne, when there were only three similar schools west of the Allegheny Mountains. The first dean was Henry Booth, 1859-1891. For many years the School was under the joint control of the old University of Chicago and of Northwestern University, and was known as the Union College of Law. In 1891, the other University having long ceased to share in the management and being about to surrender its charter, Northwestern University assumed sole control, and the School has since borne the name of the University.

The course of study is arranged to give a knowledge of the law that will be indispensable to students wherever they may practice. Graduates of the School now practice in nearly forty States and Territories. Special courses are offered for acquiring a knowledge of the law of Illinois.

The Case-study system, or the study of the principles of law as demonstrated in judicial opinions, is followed; but each instructor employs it according to his own judgment, conducting the classes by lectures, discussions, recitations, written exercises, or in any way he deems best adapted to the subject. The extensive library of the School lends itself peculiarly to this modern and scientific method of instruction.

The School is located in the Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago, which was acquired and rebuilt in 1901-1902, at a cost of nearly one million dollars, as a permanent home for the departments of law, pharmacy, and dentistry. It is situated near the center of the business district of Chicago and is of easy access from all residence portions of the city. The City, State, and Federal Courts are within a few blocks. The School occupies 24,000 square feet of space, divided into convenient lecture-rooms, assembly-rooms, study-rooms, professor's offices, court-room, and library. The arrangement of the rooms, opening on an inner court-yard, ensures seclusion and quiet for study.

Abram Winegardner Harris, Sc.D., LL.D.
President

John Henry Wigmore, A.M., LL.B., LL.D.
Professor of Law; Dean

Frederick Beers Crossley, LL.B.
Secretary and Librarian

Charles Cheney Hyde, A.M., LL.B.
Associate Professor of Law

Albert Martin Kales, A.B., LL.B.
Associate Professor of Law

Charles George Little, A.B., LL.B.
Associate Professor of Law

Henry Schofield, A.M., LL.B.
Professor of Law

Louis May Greeley, A.B., LL.M.
Professor of Law

George Purcell Costigan, Jr., A.M., LL.B.
Professor of Law

Edwin Roulette Keedy, A.B., LL.B.
Professor of Law

Levi Harper Fuller, B.S., LL.B.
Professor in the Law of Procedure

Mitchell Davis Follansbee, A.B., LL.B.
Professor in the Law of Procedure and in Legal Ethics

Charles Byrd Elder, LL.B
Instructor in the Law of Judgments and Extraordinary Legal Remedies

Henry Clay Hall, A.M., LL.B.
Instructor in the Law of Insurance

Charles Clarence Linthicum, LL.B.
Lecturer on Patent Law

William Henry Dyrenforth, LL.B.
Lecturer on Patent Law

Otto Raymond Barnett, LL.B.
Lecturer on Patent Law

Charles Ernest Pickard, A.B.
Lecturer on Trademark and Copyright

Charles Yoe Freeman, A.B., LL.B.
Lecturer on Corporation Practice

Alfred William Bays, A.B., LL.B.
Instructor in Moot Court; Lecturer on General Practice

Albert Kocourek, LL.B.
Lecturer on Jurisprudence

William Dunton Kerr, A.B., LL.B.
Lecturer on Public Service Corporations

Cecil Barnes, A.M., LL.B.
Lecturer on Illinois Law

Allan John Carter, A.B., LL.B.
Lecturer on Illinois Law

David Owen Dunbar, A.B., B.S., LL.B.
Lecturer on Illinois Law

James Jackson Forstall, B.S., LL.B.
Lecturer on Illinois Law

William Browne Hale, A.B., LL.B.
Lecturer on Illinois Law

Elmer Martin Liessman, LL.B.
Lecturer on Illinois Law

Rex Mackenzie, A.B., LL.B.
Lecturer on Illinois Law

Robert Wyness Millar, LL.B.
Lecturer on Illinois Law

Ernest Palmer, M.A., LL.B.
Lecturer on Illinois Law

Stanley Rich, B.S., LL.B.
Lecturer on Illinois Law

The first group includes those who have offices in the School building The second group includes all other members who under the statutes of the University have seats in the Faculty as officers of government. In each group the names are given in the order of seniority of appointment.

The Library

The library of some 40,000 volumes contains duplicate sets of the United States Reports, the official Reports of all the States and Territories, the complete National Reporter System, partly in duplicate, the Lawyers Reports Annotated, all of the official Illinois Reports in duplicate, statutes of all the States in the Union, and a large collection of digests, periodicals, encyclopedias and text-books. Of the English legal sources, it possesses

the complete Statutes, and substantially all the regular Reports since the beginning of the Year Books, except those appearing in law journals. The extensive Library of the Chicago Law Institute, two blocks distant, exchanges the privileges of consultation for all books not in the University Library.

The Law School Library receives official copies of all the briefs and records filed in cases before the Supreme Court of the United States. These copies are received at the Library for the cases decided at the end of each session of the Supreme Court, and may be consulted by members of the bar.

The Library possesses the invaluable Gary Collections, covering special fields, the gifts of Hon. Elbert H. Gary, LL.B., '67 of New York City. These collections offer unique opportunities for legal study and research:

The Gary Collection of Modern Anglo-American Law includes the modern law as contained in Statutes, Current Session Laws, Decisions, Digests, Treatises, Collections of Leading Cases, and Journals of the United States, England, Ireland, and Canada. This collection is being increased materially each year and is designed to be a complete Anglo-American library of modern law.

The Gary Collection of Modern Continental Law, now numbering some 12,000 volumes on the law of the twenty-three European countries, as contained in statutes, decisions, journals, and treatises, is more comprehensive in scope than any other collection in the United States. As a source of investigation for Continental Law, it provides facilities not available elsewhere.

The Gary Collection of International Law numbers nearly 3,000 volumes, and includes a large quantity of printed material relating to American, British and Continental Diplomacy, not elsewhere available in the West.

The Gary Collection of Ancient, Oriental, Primitive and Mediaeval Law includes the Hindu, Mohammedan, Hebrew, Babylonian, Egyptian, Greek, Chinese, Japanese and sundry other systems, as well as the mediaeval European materials. It numbers 2,000 volumes, and offers unique facilities for research to students of comparative legal history.

The Gary Collection of Roman and Civil Law numbers 2,500 volumes, including the library of the late Moritz Voigt, of Leipzig, Germany, and contains many rare volumes not found in any other American Library.

The Gary Collection of Ecclesiastical Law numbers 200 volumes, containing a selection of the most useful texts, commentaries, and journals.

The Gary Collection of Jurisprudence and Philosophy of Law numbers 700 volumes, and includes all the important American, English, German, French, Italian and Latin texts on this subject.

The Gary Collection of Criminal Law and Criminology, now numbering over 2,000 volumes, provides the most ample materials, from all countries, for research in this growing subject.

The Gary Collection of Anglo-American Legal History will include material relating to English Historical Legal Literature, complete sets of Colonial session laws (mostly reprints), revisions, contemporary and modern treatises on the laws of the colonies, and all other available material related to the history of the development of the common law in England and the United States. This collection now numbers about 2,500 volumes and contains many rare and valuable historical treatises.

The Gary Collection of Latin-American Laws will include collections of the laws of Mexico, the Central American, and the South American States, following the arrangement in the Gary Collections of Modern Continental Law; that is, a collection of the codes, ordinances, decisions of the Supreme Court, most important treatises, and leading law journals. Thus far the volumes installed number 500, and will be increased as rapidly as the material can be acquired.

The Gary Collection of Legal Bibliography numbers some 500 volumes and pamphlets, covering all topics and countries, and is the most extensive of the kind in this country.

Admission and Instruction

The candidate for admission as a regular student must be at least eighteen years of age.

A graduate of a college, university, or technical school may be admitted without examination upon the presentation of his diploma.

The graduate of a high school or academy maintaining a four-year course of study of satisfactory grade may be admitted without examination upon the presentation of a satisfactory certificate from the proper school authority.

A candidate who has pursued a course of study equivalent to the four-year academic course may be admitted without examination upon the certificate of an authorized public officer, or of a proper officer of an institution of advanced learning.

All other applicants for admission must pass a satisfactory examination upon the subjects required for entrance to the College of Liberal Arts of this University. For these requirements see page 68.

COMBINED COURSES IN SIX YEARS

A member of the third or fourth year class, in good standing in the College of Liberal Arts, may elect work in the course in Law which shall count toward his graduation in both the College of Liberal Arts and in the Law School, but the work elected cannot exceed one year's work in the Law

School. Each election is subject to the approval of both faculties. This provision enables a student to complete a course in the College of Liberal Arts and Law in six years.

Students transferring from other colleges to the Law School and presenting as much as 72 hours of college credit, including the prescribed studies for the degree of Bachelor of Arts or Science, may become eligible for that degree in this University by taking three courses under the Arts faculty amounting to 18 hours of credit. The choice of such courses shall be made under the direction of the Law faculty, subject to the condition that prescribed studies must be completed.

A member of the Law School not a candidate for an Arts or Science degree may pursue not more than one course at a time in the College of Liberal Arts during the period of his registration in the Law School without additional charge for tuition.

ADVANCED STANDING

The requirements for advanced standing are explained under the title Requirements for Degrees, page 219.

SPECIAL STUDENTS

Persons, not candidates for a degree, may pursue one or more courses as special students, provided they are qualified to pursue such courses to advantage. They will receive a certificate for all work done and may enter at any time as candidates for a degree, provided they were substantially qualified under the above requirements for admission as regular students at the time of first entering the School. No special student may take more than twenty-five semester hours of work in one year without special permission from the Dean.

TIME FOR ENTRANCE

Students are urged to enter at the beginning of the year. The disadvantages of late registration are embarrassing, especially to students who intend to practice law in Illinois.

Application for advanced standing must be made before November 1 in the year of entrance. Registration for the graduate or fourth year course must be made before October 1.

COURSES OF STUDY

The courses of instruction offered make a total of 117 semester-hours, and are carefully graded in three years. A regular student may take any course offered in the year to which he belongs, or any course not already taken in a preceding year; but he may not take, without special permission, a course assigned to a succeeding year, except Constitutional Law, Carriers, and

Patents of Invention, which may be taken in the second year. Conveyancing and Property III are not open to students who have not previously taken Property I and II.

The courses in Illinois Law are supplementary to the main courses in the same subjects, and are designed to give scientific treatment of the peculiarities of Illinois law.

SCHEDULE OF HOURS

In general the schedule of hours is arranged as follows: First year courses, between two and five o'clock in the afternoon; second year courses, between nine and twelve o'clock in the morning; third year courses, between two and six o'clock in the afternoon. The Practice Court is held in the evening at half-past seven.

Courses of Instruction
The Degree of LL.B.

FIRST YEAR

First Semester

Introduction to the Study of Law—Private reading in Course A, Courses of Reading in Legal History, Biography, and Jurisprudence, as described on page 214. Written examinations, with a credit of one semester hour. Prescribed.

Contracts—Three hours. Williston's Cases on Contracts. Professor Costigan.

Torts—Three hours. Wigmore's Cases on Torts. Professor Wigmore.

Property I—One hour. Gray's Cases on Property, Vol. I. Personal Property. Professor Kales.

Crimes and Criminal Procedure—Three hours. Beale's Cases on Criminal Law; and selected Readings. Professor Keedy.

Forensics—One hour. Prescribed. Mr. Bays.

Second Semester

Contracts (continued)—Three hours. Professor Costigan.

Torts (continued)—Two hours. Professor Wigmore.

Property I (continued)—Three hours; Gray's Cases on Property, Vols. I, II. Tenures and estates, fixtures, profits, easements, covenants, rents. Professor Kales.

Common Law Pleading and Procedure—Three hours. Whittier's Cases on Pleading. Professor Keedy.

Damages—One hour. (Two hours a week second half of semester.) Beale's cases on Damages. Professor Schofield.

Forensics—(continued). One hour. Mr. Bays.

SECOND YEAR

First Semester

Legal Writing and Forensics—Course II, Moot Court, as described on page 213. Oral and written work, once a week, with a credit of one semester hour. Prescribed. Mr. Bays.

Legal History and Biography—Prescribed and optional private reading; Courses B1, B2, BA1, and BA2, as described on page 215. Written examinations, with a credit of one semester hour for each course.

Evidence—Two hours. Wigmore's Cases on Evidence. Professor Wigmore.

Trusts—Three hours. Ames' Cases on Trusts. Professor Costigan.

Agency, including Employer's Liability—Three hours. Wambaugh's Cases on Agency. Professor Keedy.

Commercial Paper—Three hours. Ames' Cases on Bills and Notes. Professor Greeley.

Equity Jurisdiction—Three hours. Ames' Cases on Equity Jurisdiction. Professor Schofield.

Property II—Two hours. Gray's Cases on Property, Vols. III, IV. Acquisition of real property inter vivos, including deeds and covenants, devolution of property at death, including descent, wills, and administration. Professor Kales.

Persons (Domestic Relations)—Two hours. Kales' Cases on Persons. Professor Kales. Omitted in 1911-1912.

Second Semester

Evidence (continued)—Two hours. Professor Wigmore.

Property II (continued)—Two hours. Professor Kales.

Equity Jurisdiction (continued)—Three hours. Professor Schofield.

Quasi-Contracts—Two hours. Woodruff's Cases on Quasi-Contracts. Given in 1909-1910, and alternate years. Professor Costigan.

Sales of Personalty—Three hours. Williston's Cases on Sales. Professor Little.

Insurance, Fire and Life—Two hours. Wambaugh's Cases on Insurance. Mr. Hall.

Public Service Corporations—Railroad, Telegraph, Gas, Water, Warehouse, and similar Services. One hour. Beale's and Wyman's Cases on Public Service Corporations. Mr. Kerr.

Equity Pleading and Procedure—Two hours. Thompson's Cases on Equity Pleading, and practical exercises. Professor Keedy.

Legal Writing and Forensics (continued) Moot Court, once a week. Mr. Bays.

THIRD YEAR

First Semester

General Jurisprudence and History of Law—Private reading: Courses C, 1, 2, 3, CA, as described on page 217. Written examinations, with a credit of one semester hour for each course. Prescribed.

Corporations—Two hours. Warren's Cases on Corporations. Professor Little.

International Law I—Two hours. Scott's Cases on International Law, and topics for research. In 1910-1911, four hours. Professor Hyde.

International Law II—American Treaties and Diplomacy; topics for research. Two hours. Omitted in 1910-1911. Professor Hyde.

Conflict of Laws—Three hours. Beale's Cases on Conflict of Laws. Professor Hyde.

Suretyship—Two hours. Ames' Cases on Suretyship. Professor Little.

Judgments, and Auxiliary Legal Remedies—Attachments, Garnishments, Execution, etc. One hour. Rood's Cases on Attachments and Judgments. (Given in 1911-1912 and alternate years.) Mr. Elder.

Constitutional Law—Three hours. Thayer's Cases on Constitutional Law. Professor Schofield.

Property III—Two hours. Gray's Cases on Property, Vols. V, VI. Conditional and future interests; restraints on alienation; fraudulent transfers; registration of deeds; conversion and election; joint ownership; curtesy and dower; homestead. Professor Kales.

Conveyancing—One hour. Drafting exercises, study of selected abstracts and lectures on practice. Professor Greeley.

Practice Court—Two hours a week, at a single session. Causes prepared and conducted through all details of litigation, by students as attorneys and counselors, under the direction of a professor as judge. Professor Fuller.

**Patents of Invention I*—General Survey. Five Lectures. Professor Linthicum.

II—Patent Soliciting. Twenty lectures, with practical exercises.

III—Patent Law and Practice. Forty lectures.

Parts II and III will not be given, unless at least twenty special students apply for them before October 15.

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*These three form a single course; the first part is open to all students; the second and third parts are open to students of the second and third years, and to special students, but cannot be taken separately. The number of lectures is equivalent to two hours a week through the year, and work in the course will therefore be credited as four semester hours.

Second Semester

Corporations (continued)—Two hours. Professor Little.

Corporation Practice—One hour. Practical exercises in conducting corporate legal business and indrafting instruments. Mr. Freeman.

Constitutional Law (continued)—Two hours. Professor Schofield.

Conveyancing (continued)—One hour. Professor Greeley.

Code Pleading and Procedure—Two hours. Hinton's Cases on Code Pleading. Given in 1910-11 and alternate years. Professor Costigan.

Property III (continued)—Two hours. Professor Kales.

Analytical Jurisprudence—Two hours. Mr. Kocourek.

Mortgages—Two hours. Kirchwey's Cases on Mortgages. Professor Greeley.

Roman Law—Two hours. (Omitted in 1910-1911.)

Carriers—Three hours. Beale's Cases on Carriers. Professor Greeley.

Bankruptcy—Two hours. Williston's Cases on Bankruptcy. Professor Keedy.

Municipal Corporations—One hour. Smith's Cases on Municipal Corporations. Professor Schofield.

Partnership—Two hours. Ames' Cases on Partnership. Professor Little.

Extraordinary Legal Remedies (Mandamus, Quo Warranto, Habeas Corpus)—One hour. Roberts' Cases on Extraordinary Legal Remedies. Given in 1910-11, and alternate years. Mr. Elder.

Jurisdiction of Federal Courts—One hour. Professor Schofield.

Practical Problems in Contemporary Legislation—Study, reports, and discussions. One hour. Professor Wigmore.

Original Research and Thesis—Credit not to exceed two semester hours may be given, as described on page 213.

Mining Law—Two hours. Selected cases. (Given in 1910-11 and alternate years) Professor Costigan.

Irrigation Law—One hour. Selected cases. (Given in 1910-11 and alternate years) Professor Costigan.

Courses in Illinois Law

Procedure and Practice—Two hours. Professor Follansbee.

Contracts—One half hour. Mr. Mackenzie.

Corporations—One half hour. Mr. Hale.

Common Law Pleading—One half hour. Mr. Millar.

Equity—One half hour. Mr. Palmer.

Property—One half hour. Mr. Barnes.

Property—One half hour. Mr. Carter.

Property—One half hour. Mr. Rich.
Trusts—One half hour. Mr. Dunbar.
Torts—One half hour. Mr. Forstall.

Graduate or Fourth Year Courses

These courses consist in pursuing private reading, under the direction of a professor, and in preparing an essay or thesis. The credit given is stated on page 222, under Requirements for the degree of Juris Doctor.

History and Biography of the Bench and Bar—To include the reading of all the materials named in Courses B1, B2, BA1, BA2, under Courses of Reading in Legal History; essay on a selected topic.

History of the English Legal System—To include the reading of all the materials named in Course BA3, under Courses of Reading in Legal History; essay on a selected topic.

History of American Law—A study of the history of a subject in the law of one or more jurisdictions of the United States.

Analytical Jurisprudence—To include the reading of all the materials named in Course C1 (a), under Courses of Reading in Legal History; essay on a selected topic.

Primitive Law—To include the reading of all the materials named in Course C1 (b), under Courses of Reading in Legal History; essay on a selected topic.

History of Roman Law—A study in the history of a topic in Roman Law; this must be preceded by the lecture course in Roman Law, or its equivalent.

History of Germanic Law—To include the reading of all the materials named in Course CA, under Courses of Reading in Legal History; essay on a selected topic.

Modern Continental Law of Europe—A study of some subject of contemporary law in one or more European Continental countries.

Comparative Legislation—A study of some problem of modern legislation in two or more countries of Europe or America.

Comparative History of Legal Ideas—A study of the development of some legal idea or transaction in different independent systems, European and non-European.

Legal Bibliography—The preparation of a topical bibliography on a branch of the law named in these courses or on a substantial part of such a branch.

Ecclesiastical Law—A study of some topic of ecclesiastical law, European or American.

Constitutional and Administrative Law of Continental Europe—A comparative study of a constitutional or administrative principle in the countries of Continental Europe.

Legal Ethics—A study of a problem of legal ethics.

Principles of American Law—A study of a doctrine or rule of law in one or more jurisdictions of the United States.

Parliamentary Law—A study of a rule of parliamentary law or practice, as applied today in deliberative bodies.

Courses not Counting for a Degree

Trade-Marks and Copyrights—Six lectures. Mr. Pickard.

General Review—Given twice, in September and June, prior to the State examination for admission to the Bar. Five hours a week for a month. Mr. Bays.

Legal Ethics—Five lectures. Professor Costigan.

Patents—Five lectures. Professor Linthicum.

Training in Legal Writing, Speaking, and Practice

As a part of the systematic instruction in the body of the law, represented in the foregoing curriculum, an effort is made to provide adequate training in the practical use of legal knowledge and discipline, and in certain important details of legal writing and speaking which help materially to equip the accomplished lawyer. The various branches of work directed to this end are as follows:

Pleadings and Other Instruments—The courses on Common Law Pleading, Code Pleading, and Equity Pleading, in addition to the study of the legal sources, include exercises in the drafting of the various kinds of pleadings. In Corporations the class is formed during the second semester into two corporations, which organize, elect officers, issue stock, enlarge capital, keep books, consolidate, and do various other acts of corporate business calling for the drafting of instruments and in other ways familiarizing the student with the use of the legal knowledge acquired. In other courses, particularly in Commercial Paper, Carriers, Insurance, attention is paid to the forms of instruments in common use.

Conveyancing—In the course on Conveyancing, the chief material consists of a series of fifteen selected abstracts of title representing a great variety of documents and proceedings involving property rights. A separate copy of each abstract is given each member of the class, and a detailed study of matters of form and substance is made from the conveyancer's point of view, and with regard to the laws of different states. Thorough work in this course ought to equip the student as a practical conveyancer at the time of his entering upon his profession. No one may take this course who has not taken the courses Property I and II.

Trial Practice—The courses on Procedure and Practice give a systematic and detailed survey of the rules of law. The course on Evidence includes an auxiliary drill in the use of the rules. The Practice Court gives the third year student opportunity to become practically familiar with these rules by the application of them in litigation managed by himself. The sessions of the Court are held weekly, on Thursday evenings, for two hours. During each session from one to three cases are tried, with and without a jury; and other cases are disposed of in various aspects. Between the sessions, causes are being prepared and advanced from stage to stage by the student-attorneys in charge. While the proceedings are dispatched at the hearings by the respective attorneys, all members of the class are required to attend, to make notes and to report on the work done. A faithful attention to this course ought to give the graduate experience in the use of legal knowledge that will materially assist him in starting in his profession. The systematic pursuit of such a course under an experienced instructor affords the student results more thorough, accurate, and extensive than can be obtained in the desultory service of a law office during a long period. A copy of the printed Rules of the Practice Court will be mailed upon request.

Theses—To encourage original research, the Faculty will grant credits, not to exceed two semester hours, to any member of the third-year class who shall present a satisfactory thesis upon some legal topic. The topic must be approved by a member of the Faculty before December 1 and the thesis must be presented on or before May 15 of the year in which the student expects to graduate; it must be printed or typewritten, and becomes the property of the School. The work should be begun not later than October.

Editorial Work—To edit and digest for the profession the opinion and record of a decided case is of great value in cultivating the skill required in preparing briefs and analyzing precedents. Each year not more than seven second and third-year men of known ability are appointed Associate Editors of the *Illinois Law Review*, to digest manuscript decisions of the Appellate Court.

In 1909-1910, the Associate Editors were Mr. Harry McClure Johnson, '10, Mort G. Lockart, '10, Oscar D. Stern, '10, Walter B. Wolf, '10, Richard Y. Hoffman, '11, and Robert W. Schuepp, '11.

Moot Courts—A moot court is held in the second year once a week from November 1 to May 1, at 1:45 p. m. The class is divided into two sections A and B, meeting on alternate weeks. The work consists of the preparation and delivery of arguments and opinions of law on statements of facts assigned beforehand, and is in charge of the Instructor in Forensics, with the assistance of the other members of the Faculty.

No student is recommended for a degree, except by unanimous vote of the Faculty, who has not satisfactorily done the work of this course; but students entering the third-year class from another school may by vote of the Faculty be excused from this course. Credit, one semester hour.

Public Debate—Students selected in April at the preliminary contest to compete in the second preliminary for the Towle Prizes for Public Speaking and taking part therein, receive one semester hour of credit. Students who have not taken Forensics, or the equivalent in another school, are not eligible.

Legal Advice Clubs—Third year students may form Legal Advice Clubs, by voluntary selection on or before October 10, supplemented by assignments to vacancies by the Secretary of the School. Each club contains not less than four nor more than six members, and elects a Secretary. Difficult cases arising in actual practice, sent in for advice by alumni or other practitioners, are submitted to the Clubs in rotation as the cases come in. A written opinion, citing authorities, is handed to the professor specially in charge. A credit of *one semester hour* may be allowed each member of a club.

Legal Aid Society—After October 1 not more than ten students are assigned as assistants in the Chicago Legal Aid Society, University Branch, for practical office and trial work. No student having grade C in more than one course is eligible for assignment. The hours of work are determined by agreement with the Superintendent of the Society. In 1909-1910 each student attorney gave one or two half-days a week to the work of this Society.

Courses of Reading in Legal History, Legal Biography, Jurisprudence, and General Legal Literature

OBJECTS OF THESE COURSES

There are two chief benefits to be obtained from the work in these courses of reading. (1) They help to expand the lawyer's view in all legal matters, by giving him an acquaintance with the best traditions of a great profession and the examples of his predecessors, and a familiarity with the lawyer's science in its broadest relations. (2) They help to reach the final stage of independent legal thinking, by cultivating the habit and skill of mastering the materials without the artificial stimulus of a daily task under the instructor's oversight. The student is therefore recommended to cast off frankly the spirit of merely seeking credit for a measured task. These courses have to be measured in units for school purposes; but he is urged not to confine himself to the minimum amounts of reading in each prescribed subject, but to range through the material and to read as much as he can in those selected subjects which most interest him. At the same time he is expected not to let the freedom of range of choice injure habits of accuracy, and is therefore held responsible for a thorough acquaintance with the works presented for examination.

REGULATIONS FOR THE COURSES

1. For graduation, a credit of not less than Grade C, averaged for all five courses, must have been obtained in Course A, Courses B, 1, 2, and 3, and Course C, 1 or 2 or 3 or 4.

2. A credit of *one term hour* will be given on passing the examination in each one of the above prescribed courses of reading, as well as in the optional Courses BA1, BA2 and BA3. A student may cumulate these credits by passing in any courses, in addition to the required minimum of five courses prescribed under Rule (1) above.

3. An examination will be held at the beginning of the first term of the year and at the end of the first term, in all of the courses; but notice must be filed in the Secretary's office, at least two days before the announced date of examination, by each student intending to take it.

Students are urged to do the required reading *during the summer vacation.*

A student failing at any examination may take the next regular examination if he has reviewed the work.

A student may take any of these examinations at any time after entering the School, no matter to what class he belongs.

4. A student entering with advanced standing need not take Course A.

5. A student who has already obtained credit at a college or law school for work equivalent to Courses C, 1, 2, 3, or 4, will be given credit for that course as required in this School; but may also obtain credit by doing the work of any remaining Courses not taken elsewhere.

6. No lectures are given in any of these Courses, except C, 1, 2, and 3, the lecture courses of Jurisprudence, Roman Law, and International Law; the work is done by private study. But the courses are under the general supervision of the Dean, who will give any desired advice on the subjects of study.

7. The credit in any of the courses C will count as one of the required ten term-hours of the Third Year.

8. Students are recommended to own the books named if they can afford to purchase them, but the Library will provide a sufficient number of copies for use.

COURSES OF READING IN LEGAL HISTORY, LEGAL BIOGRAPHY, JURISPRUDENCE, AND GENERAL LEGAL LITERATURE

Course A. First Year. Prescribed. *Introduction to the Study of the Law. All* of the following materials:

(a) Blackstone's Commentaries, any edition; Introduction, Sections 1-4; Book I, Chapters 1, 2, 5, 9, 11, 12; Book II, Chapters 4-6; Book III, Chapters 3-9, 12, 13, 17-27; Book IV, Chapters 19-25, 27-29, 32, 33.

(b) Woodruff's Introduction to the Study of Law.

(c) Wambaugh's Study of Cases, Part 1 only.

Course B1. Second Year. Prescribed. *History of the English Bench and Bar.* Campbell's Lives of the Chancellors (later editions), Vols

VIII–X, Erskine to Brougham, inclusive; (excepting cc. 181, 186, 189, 194, 199, 201, 203, 205, 209, 228, 229); Campbell's Lives of the Chief Justices, Vol. III, cc. 30-40 (Mansfield); and the two essays of Zane and Veeder, Nos. 19 and 20, in Select Essays on Anglo-American History, Vol. I, edited for the Association of American Law Schools, 1907.

Course B2. Second Year Prescribed. *History of the American Bench and Bar.* Select Essays in Anglo-American Legal History, No. 21 (Kent's Autobiography); and any eight of the lives in Lewis' Great American Lawyers, Vols. I–VIII.

Course B3. Second or Third Year. Prescribed. *General Legal Literature.* Any four volumes in the following list, but at least two separate works must be included. Other works not here named, may by special consent be substituted: Demosthenes, by Bredif, transl. MacMahon (1885). Orations of Demosthenes, ed. C. R. Kennedy, 5 vols., Bohn ed., 1873.; also 2 vols., 1871. The Attic Orators, from Antiphon to Isaeos, ed. R. C. Jebb. London, 1876. Hortensius, or the Office and Duties of an Advocate, by Wm. Forsyth, 3d ed., London, 1879. Law and Lawyers in Literature, by Irving Browne, Boston, 1882. A Book About Lawyers, by J. C. Jeaffreson, 2 vols., London, 1867. Cicero's Orations, Bohn ed., transl., or Yonge's Select Orations. A History of Crime in England, by L. O. Pike, 2 vols., London, 1876. Law and Politics in the Middle Ages, by Edward Jenks, New York, 1898. The Spirit of the Laws, by C. Montesquieu, transl. Nugent, 2 vols., Cincinnati, 1873, Worcester, 1900. Dialogue on the Laws, by Plato, transl. Jowett, Vol. IV of his works, New York, 1883. J. P. Curran's Speeches, ed. Whittier, 1877. The Common Law, by Oliver Wendell Holmes, Jr., Boston, 1881. Laws and Jurisprudence of England and America, by John F. Dillon, 2 vols., Boston, 1894. Sir Edward Coke, Prefaces and Epilogues to the Reports and the Institutes. Hints on Advocacy, by R. Harris, 9th ed., St. Louis, 1892. Studies in History and Jurisprudence by James Bryce, New York, 1901. Institutes of Legal Oratory, by M. F. Quintilian, transl. J. S. Watson, 2 vols., Bohn ed., London, 1876. Legal Masterpieces of Eminent Lawyers, by Van Vechten Veeder, St. Paul, 1903, 2 vols. Maxims of the Law, by Sir Francis Bacon, Works, ed., Spedding, vol. XIV. De Laudibus Legum Angliae, by Sir John Fortescue, transl. Gregor, Cincinnati, 1874. The Law in Shakespeare, by Cushman K. Davis, St. Paul, 1884. Civil Liberty and Self Government, by Francis Lieber (ed. Woolsey, 3d ed., Philadelphia, 1874). Sources of English Law (four essays by Brunner, Veeder, Maitland, Holdsworth, in Select Essays on Anglo-American Legal History, 1908, Vol. II., Nos. 22-25). The Conduct of a Law suit, by John Reed, Boston, 1882. Sources of American Colonial Legal History, (essays by Reinsch, Sioussat, and Andrews, in Select Essays on Anglo-American Legal History, 1907, Vol. I, Nos. 11, 12.) Curiosities of Law and Lawyers, by Croake James, London, 1891. Superstition and Force, being essays on Wager of

Law, Wager of Battle, Ordeal, and Torture, by Henry C. Lea, 4th ed., Philadelphia, 1892. Speeches of Lord Erskine, ed. J. L. High, 3 vols., Chicago, 1876. Law and Lawyers in Dickens, Scott, etc., by John Marshall Gest, Philadelphia, 1906-1910. Legal Speeches and Essays of Lord Brougham, in his works, Edinburgh, 1873. Shakespeare as a Lawyer, by F. F. Heard, Boston, 1883. Commentaries on the Law in Shakspeare, by Edw. J. White, St. Louis, 1911.

*Course BA*1. Second Year. Optional. *History of the English Bench and Bar.* (a) Campbell's Lives of the Chancellors, Vols. VI, VII (Hardwicke to Loughborough, inclusive); excepting cc. 132, 133, 134, 146, 147, 149, 150, 151; and (b) Campbell's Lives of the Chief Justices, Vols. III, IV. (Holt to Tenterden, inclusive;) or any one of the following English biographies; Arnould's Life of Denman; Hardcastle's Life (Autobiography) of Campbell; Atlay's Victorian Chancellors.

*Course BA*2. Second Year. Optional. *History of the American Bench and Bar.* Any five of the following works: Life and Letters of Joseph Story; Harvey's Reminiscences, or Lodge's Life of Daniel Webster; Brown's Life, or Neilson's Memoirs, of Rufus Choate; Memoirs and Letters of James Kent; Memoirs of Sargent S. Prentiss; Magruder's Life of John Marshall; Caton's Bench and Bar of Illinois; Carson's History of the Federal Supreme Court; or any four volumes of Lewis' Great American Lawyers.

*Course BA*3. Second or Third Year. Optional. *Anglo-American Legal History.* (a) Pollock and Maitland's History of the English Law, Vols. I, II; or Holdsworth's History of English Law, Vols. I, II, III; and (b) one of the following works: Holmes' The Common Law; Stephen's History of the Criminal Law, or (c) Select Essays on Anglo-American Legal History, Vols. I, II, III.

Course C. Third Year. Prescribed. Any one of the following three subjects. *Jurisprudence, International Law, Roman Law.*

*Course C*1. *Jurisprudence*—One work under each of the following heads:

a. Analytical Jurisprudence—Salmond's Jurisprudence, Holland's Jurisprudence, Austin's Jurisprudence, Terry's Principles of Anglo-American Law, Korkunov's Theory of Law, (Hastings' translation,) Gareis' Science of Law (Kocourek's translation), Lioy's Philosophy of Law (Hastie's translation).

b. Philosophic Jurisprudence.—Amos' Science of Law; Sidgwick's Elements of Politics; Spencer's Justice.

c. Comparative Historical Jurisprudence—Maine's Ancient Law; Jenks Laws and Politics in the Middle Ages; Bryce's Studies in History and Jurisprudence; Essays on Mediaeval Law by Maitland, Jenks, and Pollock, in Select Essays on Anglo-American Legal History, Vols. I, Nos. 1-3; or, instead of *a, b, and c,* the lecture course in Jurisprudence.

Course C2. International Law—Any one of the following works: Hall Lawrence, Walker, Westlake, Wilson, Wheaton, Woolsey; or the lecture course in International Law.

Course C3. Roman Law. Any one of the following works: Salkowski's Institutes of Roman Private Law, (Whitfield's translation); Sohm's Institutes of the Roman Law, Ledlie's translation; Moyle's Justinian; Poste's Gaius; Muirhead's Private Law of Rome; or, the lecture course in Roman Law.

Course CA. Third Year. Optional. *Continental Legal History*—Any two of the following topics, taking one work in each: *General*—Goldschmidt's Handelsrechtsgeschichte. *France*—Brissaud's Histoire du droit francais,(Howell's translation;)Viollet's Histoire du droit civil francais; Esmein's Cours elementaire d'histoire du droit francais. *Germany*—Huebner's Grundzuege des deutschen Privatrechts (Philbrick's translation); Heusler's Institutionendes deutschen Privatrechts; Brunner's Deutsche Rechtsgeschichte.

Prizes, Honors and Scholarship

Scholarships for Students—Fifteen students are appointed annually as assistant librarians and monitors. These receive one hundred and fifty dollars each in compensation for their services. Applications for appointments should be addressed to the secretary of the School.

The Blackstone Prizes—Two prizes of $100 and $50, to be known as the Blackstone Prizes, will be awarded for the best and second best examinations passed on the courses of reading in Legal History, Biography, and General Literature, viz.: B1, History of the English Bench and Bar; B2, History of the American Bench and Bar; B3, General Legal Literature; BA1, History of the English Bench and Bar; BA2, History of the American Bench and Bar; BA3, Anglo-American Legal History; C1, Jurisprudence; on the following terms: 1. The examination will be in writing; part 1 to consist of twenty questions propounded on the day of the examination; part 2 to consist of three essays or reports, not to exceed 2000 words each. 2. The examination will take place in the first week in March; the essays will be handed in on January 10. 3. Candidates for a degree, who are in the third-year class, and have been regular students in this School for at least three terms, are eligible. 4. The topics for the questions will be selected from the works enumerated under the above ten courses of reading. The topics for the essays will be selected by the competitors, each for himself. Notice of topics selected to be filed with the Secretary not later than November 1, before the date of the examination. 5. The award will be announced on May 1.

The Towle Prizes—A first prize of $100, and a second prize of $50, the gift of Henry Sargent Towle, Esquire, Chairman of the Law School Com-

mittee of the Board of Trustees, will be awarded to the students who shall, in public competition, be adjudged most proficient in debate.

The Follansbee Prize—A prize of $50, the gift of Mitchell Davis Follansbee, Esq., will be awarded to the writer of the best thesis on some subject relating to Legal Ethics.

The Hyde Prize—The interest on a fund of $700, the gift of Charles Cheney Hyde, Esq., is awarded not oftener than once in two years to the writer of the best thesis on some subject relating to International Law.

The MacChesney Prizes—As a first prize, a framed etched or engraved portrait of one of the American or English jurists named on page 216, selected by the prize-winner; and as a second prize, the complete works of one of the American or English legal authors named on page 216, selected by the prize-winner, the gift of Nathan William MacChesney, Esq., will be awarded to those members of the second or third year classes who shall submit before June 1 the best essay on some topic connected with the subjects of Courses b, ba, bb, and c, in the Courses of Reading on Legal History, Biography, and Jurisprudence. The prizes will be awarded by a committee consisting of the Dean of the School, the Editor-in-Chief of the *Illinois Law Review*, and a third person to be selected by them. The successful papers will be published in the *Illinois Law Review*.

The Kocourek Prize—A Prize of $50, the gift of Albert Kocourek, Esq., will be awarded to the writer of the best thesis, in a competition among three or more students, on some juristic subject. In lieu of a thesis there may be presented a translation into English of not less than five thousand words on some phase of a juristic subject not already translated into English.

The Pound Prize—A prize of $25, the gift of Roscoe Pound, Esq., will be awarded the student of the graduating class who has the best record in scholarship for the entire course.

The Gage Prize in Debate—Students of the Law School may compete for the Gage Prize as described on page 132.

Oratorical Contest of the Northern Oratorical League—Students of the Law School who have completed not more than four years of undergraduate study are eligible to compete for appointment as representatives of the University in the contests of the Northern Oratorical League. For further information see page 131.

Requirements for Degrees

All degrees are conferred at the University Commencement. Candidates for degrees are required to present themselves in person. The Oxford cap and gown are worn as the official dress.

BACHELOR OF LAWS

The degree of Bachelor of Laws is conferred upon students who are recommended therefor by the Faculty of the School. Such students will be recommended as in the judgment of the Faculty are of fit character and have complied with the following requirements:

Length of Attendance—Regular attendance for three years is required of all students, with the following exceptions: (1) students having credit for one year in law, either from a college or a law school in good standing may obtain a degree in two years; (2) students having completed satisfactorily two years in a law school in good standing may obtain a degree in one year; (3) students having completed satisfactorily one year in a law school of good standing, and having credit for one year in law from a college in good standing may become candidates for a degree in one year, by special permission of the Dean.

Applications for advanced standing must be presented before November 1 of the year of entrance.

Candidates for a degree must register for courses amounting to at least ten hours a week for each year.

Courses of Study—Candidates for a degree must obtain credit in courses amounting to sixty-six semester hours (sixty-eight, after 1912-1913), including at least ten hours of credit obtained in each semester of the third year.

Persons who have satisfactorily completed a two-year course of study in a law school in good standing may be given credit for this work, but in no case to exceed one-half of the amount above required.

Persons who have satisfactorily completed less than two years study of law in a college or law school in good standing may be given credit for this work to an amount to be determined in each case by the Dean. The subjects on which this credit is applied will be determined by the Secretary at the time of admission.

Grades of Scholarship—Four grades are given: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A candidate may offer for a degree courses with grade C for only one-sixth the amount of credits required to be obtained by him in this School, except that he may also offer courses with grade C to the extent to which he has other courses with grade A.

Specific Courses Required—In reckoning the sixty-six semester hours above mentioned, no specific courses need be included, except as follows: (1) The candidate must obtain an average grade of not less than C in the prescribed courses of Reading in Legal History, Biography, and Jurisprudence, namely, A, B1, B2, B3, and either C1, C2, C3, or C4. A student entering with advanced standing may be excused from Course A; and a student who, in a college or law school, has already obtained credit for work equivalent

to Course C1, C2, C3, or C4, may be excused from Course C. (2). The two-year course in Forensic Writing and Speaking must be completed.

A student entering with advanced standing who has not taken equivalent work elsewhere is subject to the remaining requirements applicable to the class he enters, except that a candidate for a degree in one year may be exempted from specified parts of the work, or may be required to take the second year work.

Promotions—(1) A regular student of the first year class, not at the time a candidate for the degree of A.B. or B.S. in the College of Liberal Arts, who obtains less than sixteen hours of credit in this year, is permitted to enter the second-year class, as candidate for a degree in two additional years, only on condition that he obtain no mark lower than B in the examinations at the end of the first semester of the second year and obtain by the end of that year a total of forty hours of credit.

(2) A regular student of the second-year class who obtains less than forty hours of credit in all the work of the first two years will be permitted to enter the third-year class, as candidate for a degree in one more year, on condition only that he obtain by the end of the first term of that year a total of fifty-two hours of credit.

(3) In estimating the above credits, the usual rule for counting marks of A and C shall apply.

(4) When in any case the conditions above mentioned are not fulfilled, the student may continue in the School as a candidate for a degree in not less than four years from the time of beginning.

(5) The foregoing rules shall be applied by the Dean and the Secretary, and each case of such conditional admission shall be reported to the Faculty. But in any case, on petition, the Faculty, by vote, may authorize an exception from the rule or may allow the continuance in regular standing of a student who has not fulfilled a condition imposed under these rules.

MASTER OF LAWS

A candidate for the degree of Master of Laws will be required to meet the following conditions: (1) He will have obtained the degree of Bachelor of Laws in this University, or in some university or college having equal requirements. (2) He will complete, in addition, one year of residence in this School, during which time credit must be obtained in not less than fifteen semester hours in second or third-year courses not previously counted toward the Bachelor's degree. (3) He will complete an exhaustive study of some topic of local law, pass an examination thereon, and present a paper embodying the results, of such character as to be suitable for publication in the *Illinois Law Review*.

JURIS DOCTOR

The candidate for the degree of Juris Doctor will be required to meet the following conditions: (1) He will present a diploma of the degree of A.B., or of an equivalent degree, from the College of Liberal Arts of this University, or other college in which the requirements are substantially equivalent; or a certificate showing the completion of at least two years' work in such a college, including at least one course each in Latin, French and German; (2) He will have obtained the degree of Bachelor of Laws in this University, or in one whose requirements are substantially equivalent; (3) He will obtain credit in the courses of the fourth or graduate year to the amount of twenty semester hours, of which not more than ten are to be obtained in the lecture courses and not less than ten in the reading courses; but in the reading courses the work done in any of the courses may be given a credit not to exceed five hours, or in any two or any three of the courses a credit not to exceed seven hours, provided two members of the Faculty so certify.

Candidates will register on or before the first Monday in October of the year of candidacy; they will pay half the fees of a special student for the lecture courses, the library fee of alumni, and a diploma fee of twenty dollars.

MASTER OF ARTS OR OF SCIENCE

The Master's degree in Arts or Science will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or other college maintaining equivalent requirements for the Bachelor's degree in Arts or Science, may obtain the Master's degree, at the same time with the degree of Bachelor of Laws by pursuing, with the sanction of the Faculty of Liberal Arts, advanced work in subjects approved by that Faculty, and obtaining credit to the amount of twelve semester hours; and by presenting a thesis on an approved topic. The courses of study may deal in part or entirely with legal subjects; but courses of legal study, in order to count for the degree, must be of an advanced nature, must not otherwise be counted for the degree of Bachelor of Laws, and must be pursued under the direction of a member of the Faculty of the Law School. Students in law, intending to become candidates for the Master's degree, will register for the same degree in both the College of Liberal Arts and the Law School on or before the first Monday in October of the year in which they expect to graduate, and will pay the diploma fee of ten dollars. The Master's degree is open, upon the same terms, to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty of the College of Liberal Arts as counting for the Master's degree: Constitutional Law, International Law, Administrative Law, Roman Law, Jurisprudence, Legal History.

THE ORDER OF THE COIF

The Order of the Coif was organized in 1907. Its purpose is the encouragement of scholarship and the advancement of ethical standards in the legal profession. The membership consists of seven regular students in each class of the Law School who receive the highest grades in scholarship, four of whom are elected and installed in the month of May of the second school year of the class, and the other three in the month of October of the third year of the class. The members elected from the class of 1911 may be found on page 314.

FEES AND EXPENSES

Matriculation fee, paid at first registration in the University	$ 5.00
Tuition Fee, for regular students, a year	150.00
Payable $50 October 1, $50 January 10, and $50 March 31.	
A rebate of $5.00 is allowed if the entire fee is paid October 1.	
Special Course Fees.	
Special students, for each hour of class work, a semester	8.00
Candidates for the degree of Juris Doctor, for each hour of class work a semester	3.00
Library fee for the same students, a year	1.00
Course in Patent Law	25.00
General Review Course, for members or graduates of the School	15.00
For others	20.00
Diploma Fee, for the degree of Bachelor of Laws,	10.00
For the degree of Juris Doctor	20.00

For further information relating to the Law School, address the Secretary of the Law School, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

The College of Engineering

SEVERAL years ago, in response to an insistent demand, Northwestern University introduced in the College of Liberal Arts courses in engineering subjects. These courses have together been equivalent to two years of technical work. The graduate of the College who completed them has been prepared to earn the degree of an engineering school in two years.

A gift for the erection of an engineering building at Evanston and for its endowment led the Trustees of the University to take action in June, 1907, resulting in the establishment of a College of Engineering. This gift came from Mrs. Gustavus F. Swift and her son, Mr. Edward F. Swift. The building was completed in the winter of 1908-1909.

Recitations are given in the other buildings also on the campus. These include Fayerweather Hall of Science, University Hall, Fisk Hall, Old College, and the Orrington Lunt Library. A description of these buildings, the gymnasium, the dormitories, Music Hall, Annie May Swift Hall of Oratory, and Dearborn Observatory, in all of which the College of Engineering shares, are given on pages 44 to 52.

Northwestern University was built up on the model of the eastern college and it has maintained this character throughout its history. It has broadened its courses, and has liberalized its rules, but it continues to cultivate the humanities with jealous care. In keeping with these ideals, the course in Engineering introduces an unusual number of those non-technical studies that serve to develop general education and to cultivate the thinking power of the student. Unusual stress is laid upon mathematics, physics, and other sciences fundamental to engineering; to shop work and to practical work is given as much attention as is consistent with the purpose of this School. This plan has been adopted because there appears to be increasing need for instruction of this character. On the other hand, there are already many well equipped schools of engineering giving primary attention to practical training as opposed to this more general training; there is little need for a new school of the old kind. It is the belief of the University that a school of the kind proposed will result in the preparation of engineers of the highest type.

Abram Winegardner Harris, Sc.D., LL.D.
President

John Fillmore Hayford, C.E.
Director

Olin Hanson Basquin, Ph.D.
Professor of Applied Mechanics

John Fillmore Hayford, C.E.
Professor of Civil Engineering

William Charles Bauer, B.S.
Professor of Electrical Engineering

William Henry Burger, B.S.
Assistant Professor of Civil Engineering

Milby Roy Hammer, B.S.
Assistant Professor of Drawing

James Taft Hatfield, Ph.D.
Professor of German Language and Literature

Henry Crew, Ph.D.
Professor of Physics

J. Scott Clark, A.M., Litt.D.
Professor of English Language

Edouard Paul Baillot, L.H.D.
Professor of Romance Languages

Ulysses Sherman Grant, Ph.D.
Professor of Geology

Arthur Charles Lewis Brown, Ph.D.
Professor of English Literature

Willard Eugene Hotchkiss, Ph.D.
Professor of Economics

David Raymond Curtiss, Ph.D.
Professor of Mathematics

Walter Lichtenstein, Ph.D.
Librarian

Robert Richardson Tatnall, Ph.D.
Associate Professor of Physics

Murray Arnold Hines, Ph.D.
Assistant Professor of Chemistry

David Harrison Stevens, A.B.
Registrar

Requirements for Admission

The requirements for admission to the College of Engineering are identical with those of the College of Liberal Arts, published on pages 68 to 75. Particular attention should be paid to preparation in mathematics and English composition. The requirements for graduation in the College of Engineering are most easily met if the student presents for admission two units of French and two units of German as his requirements in foreign language.

Each student in engineering who has not presented solid geometry for entrance will be required to take the subject, three hours for one semester, in the first year. As this will be an extra task, making it difficult for the student to keep up with his class, each candidate is advised to present this subject for entrance if possible.

Admission to the College of Engineering may be by certificate or by examination. Candidates for admission must be at least sixteen years of age. Graduates of accredited academies or high schools should obtain certificates of work done, showing the ground covered and the grade received in each study. These certificates should be sent to the Director, College of Engineering, at least one week before the opening of the fall semester. It is advisable to send them in much earlier. Certificate blanks may be had on request. Candidates who cannot present such certificates may be admitted on examination. Examinations for this purpose will be held September 18, 1911. The Board of Examiners will accept, in lieu of its examinations, those conducted by the College Entrance Examination Board. This Board holds examinations in June in the Northwestern University Building in Chicago, and at various other places in the United States.

Admission to Advanced Standing

Students from other colleges will be given advanced credit for work done, under the same conditions as those stated on page 75 for the College of Liberal Arts.

Courses of Study

The College of Engineering offers two courses of study, each five years in length, one in Mechanical and Electrical Engineering and the other in Civil Engineering. These courses are alike in character and the same in content to the end of the third year.

For the satisfactory completion of either course a degree in engineering will be conferred by the College of Engineering. For the satisfactory completion of the first four years of either course the degree of Bachelor of Science will be given by the College of Liberal Arts.

COURSE IN MECHANICAL AND ELECTRICAL ENGINEERING

Unless otherwise indicated, each course continues through the year, with the same number of hours in the second semester as in the first.

First Year	Semester hours
English Language A	3
French A*	3
Physics A	4
Algebra, Trigonometry and Analytical Geometry, Mathematics A 3	5
Mechanical Drawing, Engineering A1, to be taken as a two-hour course, either in the first or the second semester	2
Shop Work, Engineering A2, to be taken as a two-hour course, either in the second semester or the first semester	2
Second Year	
German A	3
Principles of Mechanics, Physics B	3
Differential and Integral Calculus, Mathematics B1	3
Chemistry A	4
Surveying, Engineering B2	3
Shop Work, Engineering B1	1
Third Year	
Elements of Economics, Economics A	3
Electricity and Magnetism, Physics C	3
Qualitative Analysis, Organic Chemistry, Chemistry B	4
Geology A1	4
Descriptive Geometry, Kinematics and Graphical Statics, Engineering C1	3
Fourth Year	
English Literature A	2
Elective	3
Structural Mechanics, Engineering D3	3
Advanced Calculus, Mathematics C1	3
Metallurgy, Geology B5, a two-hour course in the first semester only	2
Contracts and Specifications, Engineering D1, a two-hour course in the second semester only	2
Journal Meeting, Engineering D2	1
Electrical Engineering, Engineering D6	3

*If the student has offered for entrance two units of French and two of German, he is advised to take French A in the first year and German A in the second year, but the order may be reversed, if necessary. If other language units than those named in the preceding sentence have been offered for entrance, the student is required to take such language courses in the first and second years as will satisfy the language requirement for the degree of Bachelor of Science. These are not necessarily the courses French A and German A.

Fifth Year
First Semester

Elective* 2
Thermodynamics, Engineering E1 (not offered in 1910-11) 4
Engines, Engineering E3 (not offered in 1910-11) 3
Hydraulic Engineering, Engineering E4 (not offered in 1910-11) 3
Advanced Electrical Engineering, Engineering E5 3
Thesis, Engineering E7 (not offered in 1910-11) 2

Second Semester

Elective* 2
The Public Relations of Engineers, Engineering E2 (not offered in 1910-11) 2
Engines, Engineering E3 (not offered in 1910-11) 3
Hydraulic Engineering, Engineering E4 (not offered in 1910-11) 3
Electrical Power Plant Engineering, Engineering E6 3
Thesis, Engineering E7 (not offered in 1910-11) 4

The course contains thirty-four semester hours in each year, exclusive of summer work.

During each of the three summers following the first, third and fourth years the student will be required to do practical work for at least six weeks, of such a character as to furnish experience of value to him as a prospective engineer. The credit assigned to six weeks of such approved work is two semester hours.

During the summer following the second year the student is required to do field work in surveying for six weeks immediately following Commencement (Engineering B3), the credit being six semester hours.

In 1909-10, the first year of existence of the College, there were no students in the fourth year of either course. Hence, none were expected in the fifth year of either course in 1910-11, and several of the fifth year studies were not offered.

COURSE IN CIVIL ENGINEERING

The first three years of this course are the same as those in the course in Mechanical and Electrical Engineering shown above.

Fourth Year — Semester hours

English Literature A 2
Structural Mechanics, Engineering D3 3
Advanced Calculus, Mathematics C1 3
Elective in Geology 3
Metallurgy, Geology B5, a two-hour course in the first semester only. 2

*This elective is to be approved by the Director and to be taken in the College of Liberal Arts.

Contracts and Specifications, Engineering D1, a two-hour course in the second semester only..... 2
Journal Meeting, Engineering D2..... 1
Electrical Machinery, Engineering D5, a three-hour course in the first semester only..... 3
Heat Engines, Engineering D4, a three-hour course in the second semester only..... 3

Fifth Year—First Semester

Elective*..... 3
Bridges, Engineering E8 (not offered in 1910-11)..... 5
Railway Engineering, Engineering E10 (not offered in 1910-11)..... 4
Hydraulic Engineering, Engineering E4 (not offered in 1910-11)..... 3
Thesis, Engineering E7 (not offered in 1910-11)..... 2

Second Semester

Elective*..... 3
Structures, Engineering E9 (not offered in 1910-11)..... 5
The Public Relations of Engineers, Engineering E2 (not offered in 1910-11)..... 2
Hydraulic Engineering, Engineering E4 (not offered in 1910-11)..3
Thesis, Engineering E7 (not offered in 1910-11)..... 4

The course contains thirty-four semester hours in each year, exclusive of summer work.

During each of the three summers following the first, third and fourth years the student will be required to do practical work for at least six weeks, of such a character as to furnish experience of value to him as a prospective engineer. The credit assigned to six weeks of such approved work is two semester hours.

During the summer following the second year the student is required to do field work in surveying for six weeks immediately following Commencement (Engineering B3), the credit being six semester hours.

LECTURES

Special lectures upon subjects of interest to engineers and engineering students are provided. Some of the lectures given in 1909-10 are listed on page 57.

General Statements

REGISTRATION

For general regulations and for regulations affecting registration, see page 133. The schedule of study in the College of Engineering requires

*This elective is to be approved by the Director and to be taken in the College of Liberal Arts.

registration of seventeen hours a week, during five years, and approved summer work for six weeks in each of four summers.

DEGREES

The work of the first four years in the schedule of the College of Engineering includes the requirements for the degree of Bachelor of Science which is given upon the satisfactory completion of the fourth year. At the close of either required five year course in Engineering a professional degree in Engineering will be granted — for one course, the degree "Electrical Engineer" and for the other, the degree "Civil Engineer."

SCHOLARSHIPS

For information in regard to scholarships see page 129. In 1910-11 three First Year scholarships and two Upper Class scholarships were granted in the College of Engineering.

ATHLETICS

Students in the College of Engineering share all athletic privileges with the students in the College of Liberal Arts.

ROOM AND BOARD

Students of the University find suitable rooms for residence in private homes near the University campus. Board may be obtained in private families, in student clubs, and at restaurants. A considerable proportion of the students are members of fraternities, each chapter of which rents or owns a house for its exclusive use.

SELF SUPPORT

Evanston offers many opportunities for young men to obtain employment of various kinds. Persons desiring such employment will do well to communicate with the Secretary of the College Young Men's Christian Association.

FEES AND EXPENSES

Matriculation Fee, paid on first registration	$ 5.00
Tuition Fee, a year	100.00
Payable one-half at the beginning of the first semester, one-half at the beginning of the second.	
Laboratory Fees:	
Course A1, a semester	6.00
Course A2, a semester	8.00
Courses C1, D4, D5, D6, E5, and E6, each course, a semester	3.00
Course B1, a semester	4.00
Courses B2 and D3, each course, a semester	5.00

Fee for summer course in surveying, B3..... 15.00
Diploma Fee..... 10.00

Reduced rates of tuition are given to sons of ministers ($30.00 a semester) and to holders of old-time perpetual or transferable scholarships for incidentals ($22.00 a semester).

The remaining necessary expenses of a student, namely, board, room, laundry, text-books and stationery, for nine months, vary from $200 to $370, the average being about $270.

Inquiries for further information in regard to the College of Engineering may be addressed to the Director of the College of Engineering, Northwestern University, Evanston, Illinois.

The School of Pharmacy

THIS school, incorporated in 1886 as the Illinois College of Pharmacy became a department of the University the same year. In 1891 the name was changed to the School of Pharmacy of Northwestern University. It is a member of the American Conference of Pharmaceutical Faculties and its graduates are recognized in all states in which graduation from a school of pharmacy is necessary to obtain license to practice.

The School's work is carried on in the University Building, Lake and Dearborn Streets, Chicago. The rooms occupied include six large laboratories, two lecture rooms, two balance rooms, library, museum, and three rooms for students, all newly furnished. The laboratories are: the laboratory for inorganic chemistry, with accommodations for three classes of seventy students each; the laboratory for botany, microscopy, and pharmacognosy, with accommodations for six sections of forty-eight students each; the manufacturing laboratory, with accommodations for four sections of seventy students each; the laboratory for organic chemistry, with accommodations for four sections of twenty-eight students each; and the dispensing laboratory, with accommodations for six sections of thirty-six students each. Courses in bacteriology are given in the bacteriological laboratory on the fifth floor.

All the courses of instruction in the School are given exclusively to students of pharmacy and are adapted to their special needs. Especial attention is given to laboratory practice in the manufacture, testing, and valuation of preparations and in the work of dispensing.

Applications made to this school for alumni to fill desirable positions have, for many years, exceeded the supply. Undergraduate students are also in demand, being wanted for part-time service in Chicago drug stores while pursuing their courses of study.

The occupations open to graduates of efficient pharmaceutical schools include not only the customary practice of modern technical pharmacy, but similar employment in the service of the national, state, and municipal governments, in connection with food, drugs, and sanitation.

The course for the degree of Pharmaceutical Chemist comprises preparation of the most thorough kind, both for the practice of pharmacy and for the expert services required of inspectors of food and drugs under the laws, and for similar service in manufacturing and wholesale establishments.

Abram Winegardner Harris, Sc.D., LL.D.
President

*Oscar Oldberg, Pharm.D.
Dean, Professor of Pharmacy

Arthur Herbert Wilde, Ph.D., S.T.B.
Acting Dean

William Edward Quine, M.D., LL.D.
Emeritus Professor of Physiology, Therapeutics and Toxicology

Harry Mann Gordin, Ph.D.
Professor of Chemistry and Director of the Chemical Laboratories

Gerhard H. Jensen, Ph.D.
Professor of Botany and Pharmacognosy

Maurice Ashbel Miner, Pharm.M.
Assistant Professor of Pharmacy, in charge of the Manufacturing Laboratory

Charles Waggener Patterson, Sc.B., Ph.C.
Assistant Professor of Analytical Pharmaceutical Chemistry, Secretary

Harry Kahn, Pharm.M., M.D.
Assistant Professor of Physiology and Materia Medica

Eugene Shaw Willard, D.D.S.
Assistant Professor of Bacteriology

Rollin Guizot Myers, M.S.
Instructor in the Chemical Laboratories

George Daniel Oglesby, Ph.G.
Lecturer in Pharmacy

John Ferdinand Fischnar, Ph.C.
Instructor in the Dispensing Laboratory

Ernest Woollett
Instructor in Accounting and Business Methods

James Lewis Clay, Ph.C.
Assistant in the Chemical Laboratories

Jay Kaplan, Ph.C.
Assistant in the Manufacturing Laboratory

*On leave of absence 1910-1911.

Admission and Instruction

Candidates for the degree of Graduate in Pharmacy must present evidence of having satisfactorily completed one full year of work in a properly accredited high school, or its equivalent, and must be at least seventeen years of age.

Candidates for the degree of Pharmaceutical Chemist must have completed two years work in a high school of accepted grade or must possess an equivalent general education.

Candidates for the degree of Bachelor of Science in Pharmacy must fulfill the requirements for admission to the College of Liberal Arts. See Requirements for Degrees, page 68.

Candidates for the degree of Master of Pharmacy must fulfill the requirements for admission to the College of Liberal Arts. See Requirements for Degrees.

Special students not candidates for graduation may be admitted by action of the Faculty.

CREDITS FOR WORK DONE IN OTHER SCHOOLS

Students who have satisfactorily completed the first year's work in any other approved college or school of pharmacy, upon presentation of proper evidence thereof, are admitted to the second year class, provided the work done in each subject is fully equivalent to that of the first year's program of this School and provided that their work conforms to the rule that related subjects must be studied in logical sequence.

Credit is given, subject to the same conditions, for any courses in individual subjects satisfactorily completed elsewhere, so far as these subjects are included in the required studies of this School.

Courses of Study

For the Degree of Graduate in Pharmacy

First Year

PHARMACY—PROFESSOR OLDBERG, ASSISTANT PROFESSOR MINER, MR. OGLESBY, AND MR. FISCHNAR.

Definition of Pharmacy—Its functions and problems.

The Pharmacopoeia—Its scope, objects and construction. Pharmacopoeial nomenclature.

Preparatory study of the various classes of *Materials* employed in the preparation of medicines.

General Pharmaceutical Processes and Manipulations.

General Study of the Various Classes of Pharmaceutical Preparations.

Weights and Measures, and Pharmaceutical Arithmetic.

Laboratory Practice—Work designed to familiarize the student with apparatus, processes and materials, and to apply the lessons taught in the didactic courses. This course includes the manufacture of a great variety of finished products.

CHEMISTRY—PROFESSOR GORDIN, ASSISTANT PROFESSOR PATTERSON, AND MR. MYERS.

Lecture Courses in *General and Inorganic Chemistry*, theoretical and descriptive.

Laboratory Work in elementary chemistry and in Qualitative and Quantitative Analysis.

PHARMACEUTICAL BOTANY AND MICROSCOPY—PROFESSOR. JENSEN

The organs, tissues, and microscopical structure of plants and plant drugs.

HUMAN ANATOMY AND PHYSIOLOGY—ASSISTANT PROFESSOR KAHN

A necessary introduction to the study of the action and uses of medicines.

Second Year

PHARMACY—PROFESSOR OLDBERG, ASSISTANT PROFESSOR MINER, MR. OGLESBY, AND MR. FISCHNAR

Applied Inorganic Pharmaceutical Chemistry—The chemical preparations, their production and pharmacy.

Pharmaceutical Chemical Problems—Exercises in writing chemical equations, making stoechiometric calculations, etc.

The Special Pharmacy of Important Vegetable Drugs and their Preparations.

Extempore Operative Pharmacy—The prescription and its construction and interpretation. The dispensing department and its problems. Incompatibilities.

Duties and responsibilities of pharmacists and their agents.

The practical details of daily work of a properly equipped and well conducted retail drug store. Miscellaneous medicinal and pharmaceutical preparations and sick room supplies furnished by pharmacists.

Senior Laboratory Course—Practice in the manufacture of chemical and pharmaceutical preparations and in the extraction and purification of important natural constituents of plant drugs.

The Art of Dispensing—A practical laboratory course accompanying the lectures and recitations.

Business Training—A course designed to teach the student book-keeping and other essential business methods employed in the retail drug store.

CHEMISTRY—PROFESSOR GORDIN, AND ASSISTANT PROFESSOR PATTERSON

Lecture Course in Organic Chemistry—The principles of the chemistry of the carbon compounds.

Laboratory Course in Drug Assaying and Organic Pharmaceutical Testing.

PHARMACOGNOSY—PROFESSOR JENSEN

About two hundred of the most important drugs are thoroughly studied.

MATERIA MEDICA—ASSISTANT PROFESSOR KAHN

The properties, action, uses, and doses of drugs and medicines including therapeutics and toxicology.

The course in Urine Analysis is also offered to students registered for the degree of Graduate in Pharmacy and may be taken by them in their second year.

For the Degree of Pharmaceutical Chemist

All the courses required for the degree of Graduate in Pharmacy constitute a part of the curriculum required for the degree of Pharmaceutical Chemist. The following courses are required in addition:

First Year

PHARMACY—PROFESSOR OLDBERG, AND MR. OGLESBY

The general lessons taught by a comparison of the principal pharmacopoeias of other countries with the pharmacopoeia of the United States.

CHEMISTRY—PROFESSOR GORDIN, AND MR. MYERS

Gravimetric Analysis—Fundamental operations characteristic of the general method and special processes employed in the actual gravimetric determination of inorganic substances.

The course in drug assaying and pharmaceutical testing, as described among the second year courses in chemistry for the degree of Graduate in Pharmacy, is taken by the candidates for the degree of Pharmaceutical Chemist in the latter part of the first year.

Second Year

CHEMISTRY—PROFESSOR GORDIN, AND ASSISTANT PROFESSORS MINER AND PATTERSON

Special Lectures upon important Chemical Constituents of plant drugs such as alkaloids, glucosides, etc.

Organic Chemical Preparations—A laboratory course.
Urine Analysis, Qualitative and Quantitative.
Advanced Course in Drug Assaying and Pharmaceutical Testing.
Food and Sanitary Analysis.

FOOD AND DRUGS COURSE

The curriculum prescribed for the degree of Pharmaceutical Chemist affording as it does special training for the expert work required by food and drugs legislation, is modified to some extent at the option of students who desire to specialize more in the direction of the examination of food and drugs and who do not intend to practice pharmacy.

SPECIAL COURSES

Unclassified students are admitted, by action of the Faculty, to any of the individual courses included in the program of work required for a degree, to advanced courses, and to any additional special courses which the School is prepared to offer. The fees for such elective courses are in proportion to their extent, and full credit is given in the form of certificates for work satisfactorily completed.

Degrees

The requirements for graduation include regular attendance, for at least one year in this School, the satisfactory completion of the prescribed program of work, good moral character and satisfactory deportment, and the settlement of all accounts.

Degrees are conferred at the Graduating Exercises held at the conclusion of the Graduate in Pharmacy course in April and at the general University Commencement in June. On these occasions all candidates for degrees are required to be present in person, the Oxford cap and gown being worn as the official dress.

The degrees conferred are those of Graduate in Pharmacy, Pharmaceutical Chemist, Bachelor of Science in Pharmacy, and Master of Pharmacy.

DEGREE OF GRADUATE IN PHARMACY

The course for this degree occupies two school years of six months each, during which the student devotes his whole time to his studies and laboratory work.

The same course occupies two years of nine months each when the student engages in concurrent drug-store employment and when he, accordingly, carries only two-thirds of the weekly program of studies pursued by students who give their whole time to school work.

DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

This degree requires four years, two years of study in the College of Liberal Arts and two years in the School of Pharmacy.

DEGREE OF MASTER OF PHARMACY

This degree is conferred upon completion of three years of study in the College of Liberal Arts and two years in the School of Pharmacy.

DEGREE OF PHARMACEUTICAL CHEMIST

This course extends through two years of nine months each, with the student's whole time occupied with his studies and laboratory work. The three years' course for the same degree occupies the student's whole time through three school years of six months each. The program of work is the same as in the two years' course.

POST-GRADUATE COURSE

A post-graduate course is offered to Graduates in Pharmacy of other schools who have had sufficient preparation to undertake the completion of the prescribed curriculum for the degree of Pharmaceutical Chemist in one additional year. In this course the program of work is modified in each case so as to enable the student to take all the work which he has not already had.

General Statements

THE LIBRARY

The School possesses a valuable pharmaceutical reference library. It now contains 2950 bound volumes and pamphlets. All the principal current chemical and pharmaceutical journals, foreign and American, are received, and are accessible alike to instructors and students.

The library includes complete sets of Archiv der Pharmazie; the Centralblatt from 1870 and the Berichte der deutschen Chemischen Gesellschaft from 1868; also, complete from 1893, Zeitschrift für analytische Chemie, Neueste Erfindungen und Erfahrungen, Berichte der Pharmazeutischen Gesellschaft, Journal of the London Chemical Society, Pharmazeutische Centralhalle, and Repertoire de Pharmacie; complete sets of the British Pharmaceutical Journal, Proceedings of the American Pharmaceutical Association, and the American Journal of Pharmacy.

The library contains also all the pharmacopœias of the world with supplements to date, dispensatories and commentaries on the pharmacopœias, pharmaceutical and chemical encyclopoedias and dictionaries, pharmaceutical and other technical formularies, the most valuable reference works and textbooks on chemistry, pharmacy, materia medica, and related subjects, and the publications of the American Chemical Society.

THE MUSEUM AND EXHIBITS

The museum contains more than two thousand specimens of drugs, chemicals, pharmaceutical preparations, and other substances of medicinal or industrial importance, pharmaceutical and chemical apparatus and implements, and other articles of interest to students.

Authentic specimens of distinct varieties of plant drugs, many of great value or of special interest, are contained in these collections, including not only exceptionally fine drugs, but also spurious ones. All plant drugs used to a sufficient extent to be found in the drug markets are represented by good specimens in the museum.

The exhibits of chemical products, inorganic and organic, are exceptionally large, and the exhibits of pharmaceutical products and sick-room supplies are instructive.

Specimens of numerous kinds of chemicals and preparations manufactured by the students attest the practical character of the laboratory training given in the School.

FEES AND EXPENSES

Matriculation Fee, paid on first admission to the School, not returnable	$ 5.00
Tuition Fees, payable half yearly in advance	
For the course leading to the degree of Graduate in Pharmacy, a year	100.00
For the course leading to the degree of Pharmaceutical Chemist, a year	140.00
Breakage Deposit, covering wear and tear of equipment, estimated at $3.00 a year, and the breakage of apparatus, the balance being refunded at the end of the year	10.00
Graduation Fee	10.00

BOARD AND ROOMS

Within walking distance of the School is a quiet residence portion of the city near Lake Michigan. In this section room and board together may be obtained at from $4.50 to $6.00 per week. A less expensive way to live, however, is for two or several students to rent rooms together, either single rooms or ensuite, and secure their meals in one of the many excellent restaurants with which the city abounds.

Complete information regarding all of these matters may be obtained of the Y. M. C. A. secretary in the rotunda of Northwestern University building.

To assist worthy students who are compelled to earn their way while pursuing their studies the School has established an employment department. Familiarity with the business conditions in Chicago and large acquaintanceship with the druggists of the city afford unusual opportunities for placing young men in good drug stores at satisfactory remuneration. The Faculty does not recommend this double work, but if it is unavoidable, the School will gladly do all in its power to place students in satisfactory positions.

Some students find employment afternoons, evenings and at other times in miscellaneous kinds of work; through coöperation with the Young Men's Christian Association, a branch of which is a part of the equipment of the professional schools in Northwestern University Building, such places may be secured, the central location of the School making this plan easy of execution.

For further information regarding any feature of the School's work, address Charles W. Patterson, Secretary, Room 414, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

The Dental School

THE DENTAL SCHOOL was founded and is maintained for the purpose of preparing young men and women in the most thorough manner for the practice of dentistry, and for the promotion of dental science and dental literature.

The Dental School was organized in 1887 and three years later became a department of the University. In 1896 it absorbed the American College of Dental Surgery and for some years occupied the building on Franklin and Madison Streets, Chicago, formerly occupied by that school. It is now located in Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago.

It occupies the upper three floors of the building and has over 60,000 square feet of floor space, supplied with modern equipment.

The Clinic Room is sufficient in extent to accommodate the great clinic and the offices connected with it, is of the best design of construction, consisting of a single room with arched ceiling. It is on the sixth floor, with free light on two sides and abundant skylight. It may be reached by elevators from the principal entrance on Lake Street, and from a smaller entrance on Dearborn Street. Adjoining the Operative Clinic is the Prosthetic Clinic, and on the same floor is the senior Prosthetic laboratory for crown and bridge work; the recently added laboratory for porcelain and cast metal inlay work; an impression room; two rooms and waiting room for extracting. The system of lecture rooms, three in number, is arranged on the amphitheater plan. Each accommodates 225 students. Two are for the ordinary class lecture work, and one for the Oral Surgery clinic. This latter has a waiting-room for surgical patients, a room for diagnosis and the preparation of patients, and a recovery room with sufficient beds for the temporary care of patients. Other rooms are the Anatomical laboratory, which is placed well apart, the first year and the second year Prosthetic laboratories, the Operative Technic laboratory, the first year and the second year Chemical laboratories, the laboratory for Histology and Bacteriology, the photographic laboratory, the museum, the reading room and library.

The location of the school is especially advantageous in obtaining the great number of clinical patients needful in a dental school, being in the transportation center of over three millions of people living within a radius of forty miles, any of whom can quickly and easily reach the University building.

Abram Winegardner Harris, Sc.D., LL.D.
President

Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D.
Professor of Operative Dentistry, Pathology, and Bacteriology, Dean

Charles Rudolph Edward Koch, D.D.S.
Lecturer on Dental Economics; Secretary

Thomas Lewis Gilmer, M.D., D.D.S.
Professor of Oral Surgery

Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D.
*Professor of Special Pathology, Materia Medica, and Therapeutics

Edmund Noyes, D.D.S.
Professor of Dental Jurisprudence and Ethics

James Harrison Prothero, D.D.S.
Professor of Prosthetic Technics, Prosthetic Dentistry, and Metallography

Frederick Bogue Noyes, A.B., D.D.S.
Professor of Histology

Twing Brooks Wiggin, M.D.
Professor of Physiology and Pathology

George Amos Dorsey, Ph.D.
Professor of Comparative Anatomy

Charles Louis Mix, A.M., M.D
Professor of Anatomy

Ira Benson Sellery, D.D.S.
Professor of Orthodontia

Harry Mann Gordin, Ph.D.
Professor of Chemistry

Arthur Davenport Black, B.S., M.D., D.D.S.
Assistant Professor of Operative Dentistry, and Assistant in Oral Surgery

Eugene Shaw Willard, D.D.S.
Assistant Professor of Operative Dentistry and Bacteriology

Fred William Gethro, D.D.S.
Assistant Professor of Operative Dentistry and Dental Anatomy

Harry Isaac Van Tuyl, B.S., M.D., D.D.S.
Assistant Professor of Anatomy

George Corwin Poundstone, D.D.S.
Assistant Professor of Special Pathology, Materia Medica, and Therapeutics

Clayton Frank Bloomfield Stowell, D.D.S.
Assistant Professor of Comparative Anatomy

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*This subject will be presented by Dr. G. V. Black until other arrangements are made.

Herbert Anthony Potts, M.D., D.D.S.
Lecturer on Anaesthesia, and Assistant in Oral Surgery

Jesse William Ritter, D.D.S.
Superintendent of the Clinic, and Lecturer in Operative Dentistry

James William Birkland, D.D.S.
Clinical Instructor in Operative Dentistry

George Buchanan Macfarlane, D.D.S.
Clinical Instructor in Operative Dentistry

Huston French Methven, D.D.S.
Instructor in Prosthetic Dentistry

Hillis Talley Brown, D.D.S.
Instructor in Anatomy

Benjamin Waldberg, D.D.S.
Superintendent of Prosthetic Laboratory

Herbert Henry Pillinger, M.D.
Demonstrator in Histology

Glenn Thomas Martin, Ph.C.
Assistant in Chemistry

James David Blackwell, D.D.S.
Demonstrator in Charge of the Examining Room

Michael Joseph Buckley, D.D.S.
Special Demonstrator in Orthodontia and Operative Dentistry

Chauncy W. Courtright, M.D.
Demonstrator in Anatomy

Louis Henry De Krauze, D.D.S.
Demonstrator in Prosthetic Dentistry

Ashley Martin Firkins, D.D.S.
Demonstrator in Operative Dentistry

Walter Robert Host, D.D.S.
Demonstrator in Prosthetic Dentistry

Thomas Eaton Shuford, B.S., D.D.S.
Demonstrator in Dental Anatomy and Operative Technics

Lyle Sargent Spencer, D.D.S.
Demonstrator in Operative Dentistry

Henry Robert Taecker, D.D.S.
Demonstrator in Operative Dentistry

Walter LeRoy Wilson, D.D.S.
Demonstrator in Operative Dentistry

Clayton Frank Bloomfield Stowell, D.D.S.
Demonstrator in Extracting

Admission and Instruction

A candidate for admission to the Dental School may be accepted upon presentation of a diploma or equivalent certificate from an accredited high school or kindred educational institution, or upon passing a satisfactory examination. The diploma must be signed by a superintendent of schools, the principal of a high school, or other responsible school officer. A certificate showing that a candidate has been graduated from an accredited high school, or from a school giving an equivalent course, signed by a city or county superintendent of schools, or by a state superintendent of public instruction, will be accepted as the equivalent of a diploma. A candidate who does not present a diploma or certificate must take an examination before a state superintendent of public instruction, or his deputy, and bring a report showing that the candidate has a preliminary education equivalent to that to be obtained in an accredited high school.

Persons not having these credentials will be admitted upon examination and approval of the State Superintendent of Public Instruction or his deputy.

This School will receive no student who is not present within ten days after the opening day of the session in each year, or in case of necessary delay, by reason of illness properly certified by the attending physician, within twenty days after the opening day.

Students registering agree thereby to accept the discipline imposed by the Faculty.

It is desirable that students should register early, since the order of assignment of seats in the lecture halls is based upon the order of registration.

ADMISSION TO ADVANCED STANDING

Students from high schools and colleges, wishing credit for courses parallel to courses required in this School, should bring credentials showing the time spent on these subjects and should present their note books written in these courses.

Students who present certificates from other recognized dental schools covering subjects required in this School will be credited with such studies if the credentials are satisfactory to the Dean and to the professors in the respective departments, but when admitted to the third year the candidate must do one full year's work in this School. Graduates in medicine are credited with one year of time.

Course for the Degree of Doctor of Dental Surgery

The course covers three years. The year begins on the first Tuesday in October and closes on Commencement Day of the University in June. There are thirty-two weeks of actual instruction given, six days in each week.

Students for the regular course are received only during the first ten days

of the first semester. Students desiring to pursue special studies may be received at any time.

For regular students who desire to extend their studies to four or more years, a special arrangement of studies will be provided.

A post graduate, or practitioner's course has been specially arranged which begins the day after Commencement in each year, and continues during four weeks thereafter.

METHODS OF INSTRUCTION

The studies of the course are grouped by departments, the work of each department proceeding from the more general and fundamental subjects to the more specialized and advanced.

The work in the departments is planned with reference to that of other departments, and the greatest care is taken that the whole shall be so correlated that the student in taking up a new subject will find himself prepared by work done in other departments.

Schedule of Courses

Students are expected to take the courses in the order enumerated, but some deviation from this rule may be allowed in cases approved by the Faculty.

Each of the departments is presented under the headings as given in the table below, separately and completely, and in alphabetical order, and courses are described fully in the order of the letters.

FIRST YEAR WORK

Anatomy a, b, c, d.
Chemistry a, b, c, d.
Histology a, b, c.
Operative Technics c, d, e, f, g, h.
Dental Anatomy a, b.
Physiology a, b, c, d.
Prosthetic Technics a, b, c, d, e.

SECOND YEAR WORK

Anatomy e, f. g.
Chemistry e, f, g, h.
Histology d, e, f, g.
Materia Medica and Therapeutics a, b, c.
Operative Dentistry i, j, k.
General Pathology a, b.
Physiology e, f.
Prosthetic Dentistry f, g, h, i.

THIRD YEAR WORK

Comparative Anatomy a.
Ethics, Jurisprudence, and Dental Economics a, b.
Operative Dentistry, l, m, n, o, p, q.
Bacteriology, r, s.
Oral Surgery a, b, c, d, e, f.
Anaesthesia g, h, i.
Orthodontia a, b, c.
Pathology and Therapeutics a, b, c, d, e.
Prosthetic Dentistry j, k, l.

Anatomy

PROFESSOR MIX, PROFESSOR VAN TUYL, DR. BROWN, AND ASSISTANTS

The equipment of the department of anatomy is new and complete. The large Anatomical Laboratory, on the top floor of the building, is well lighted on the east and south by numerous windows, and in the center of the room by a large skylight. The ventilation is perfect. The equipment includes thirty-six dissecting tables of the latest pattern, of metal with plate-glass tops. The floor is water-proof and has such drainage that it can be flooded with hose and kept thoroughly clean. Skeletons are provided for the use of the students. On payment of a small deposit bones may be taken for home study.

FIRST YEAR

a. *Visceral Anatomy, Introductory Course*—First third of first semester. Two lectures and demonstrations a week. Professor Mix.

b. *Human Dissections*—One three-hour period a week. Professor Mix, Professor Van Tuyl, Dr. Brown, Dr. Courtright, and assistants.

c. *Anatomy of the Extremities*—Two lectures a week. Professor Mix.

d. *Recitations on Lectures and Dissections*—Two hours a week. Professor Van Tuyl and assistants.

SECOND YEAR

e. *The Head and Neck*—Two lectures a week. Professor Mix.

f. *Human Dissections*—Two three-hour periods a week. Professor Mix, Professor Van Tuyl, Dr. Brown, Dr. Courtright and assistants.

g. *Recitations on Dissections*—Two hours a week. Professor Van Tuyl.

Chemistry

PROFESSOR GORDIN, MR. MARTIN, AND ASSISTANTS

The Chemical Laboratories, exclusively for dental students, are large, well ventilated, and complete in every respect. One laboratory is devoted to General Chemistry and Qualitative Analysis, another is arranged with special reference to the experimental teaching of Metallurgy and to other practical applications of chemistry of interest to dental students. In addition to the main laboratories, there are large dispensing rooms, a balance room well equipped with balances and apparatus for testing the physical properties of metals, amalgams, etc., and a room covered with a hood for carrying off fumes, and equipped for alloying, assaying, and refining.

FIRST YEAR

a. *General and Inorganic Chemistry*—Lectures and recitations. First semester. Two hours a week. Professor Gordin.

b. *Chemical Laboratory*—Illustrative experiments in General and Inorganic Chemistry. First semester. Six hours a week. Professor Gordin, Mr. Martin, and assistants.

c. *General and Inorganic Chemistry*—Lectures and recitations. Second semester. Two hours a week. Professor Gordin.

d. *Laboratory*—The metals and their compounds. Qualitative chemical analysis of unknown mixtures, particularly bases and alloys. Second semester. Six hours a week. Professor Gordin, Mr. Martin, and assistants.

SECOND YEAR

e. *Organic Chemistry*—Lectures and quizzes. Two hours a week. Professor Gordin.

f. *Laboratory*—Quantitative chemical analysis of dental alloys, etc. Refining of gold, silver, and other metals. Laboratory study of cements and other filling materials. Assay of dental alloys for gold, silver, tin, platinum. Practical problems of dental chemistry. First semester. Three hours a week. Professor Gordin, Mr. Martin, and assistants.

g. *Laboratory*—Illustrative experiments in Organic Chemistry. Analysis of saliva. Urine analysis. Second semester. Three hours a week. Professor Gordin, Mr. Martin, and assistants.

Comparative Dental Anatomy

PROFESSOR DORSEY

[NOTE.—In the absence of Professor Dorsey this year the subject will be presented by Assistant Professor Stowell.]

It is the design of the department to give in a concise form a view of the animal kingdom and its classifications, especially of the vertebrates, the forms of teeth in relation to food habits, and as weapons of offense and defense; a study of the extinct species of animals of the several classes, variations in tooth forms, illustrating development through the geological ages; the history of the changes from the simple forms to the complex forms now existing. The Museum of the Dental School is especially rich in skulls of the several orders of the animal kingdom, and furnishes illustrations for the study of all of the known tooth forms. The great collection of the Field Columbian Museum is available for illustration and study.

THIRD YEAR

a. *Evolution*—The meaning of similarity of structure; natural selection; changes in organs; correlation of growth between parts; principles of heredity and of fixity of species; tooth forms; definitions and descriptions of the varieties of forms; the typical mammalian dentition; classification of the animal kingdom, with concise descriptions of the typical characteristics of each. First semester. Two lectures a week. Professor Stowell.

Professional Ethics, Dental Jurisprudence, and Economics

PROFESSOR EDMUND NOYES AND DR. KOCH

This work consists of a brief statement of the important principles of morals; an exposition of the special duties and moral obligations of professional men to their patients, their fellow practitioners, and the public, the more important contrasts between the proper ethical standard of the professions and those of business or manufacturing pursuits.

The lectures on Jurisprudence follow, in the main, the text-book by Dr. Rehfuss, and include qualification and duty of expert witnesses, the importance of dental records, the limitations of dental practice, the qualifications required and the liabilities incurred, the penalties that may be suffered, and the defense to be made in case of alleged malpractice; the laws respecting the practice of dentistry, the steps necessary to become legal practitioners, and the duties and liabilities of dentists with reference to the law.

Third Year

a. *Ethics*—Elementary principles of ethics; professional ethics; state laws relating to dentistry; Illinois dental law; dental jurisprudence; general

review. Second semester. One lecture a week. Professor Edmund Noyes.

b. *Dental Economics*—This course was established to equip the increasing number of students without previous preceptorship in a dental office with a knowledge of the business side of dental practice. The work embraces practice building, methods of obtaining and retaining patients, business relations between the dentist and his patients, fees, accounts, records of operations, presentation and collection of accounts, methods of economy in the conduct of an office. Second semester. One lecture a week. Dr. Koch.

Histology

PROFESSOR F. B. NOYES, DR. PILLINGER, AND ASSISTANTS

The department is provided with a large laboratory, fitted with seventy-one hardwood desks, each furnished with reagents, lockers, a compound microscope with lenses and condensers, electric lights, and other conveniences for preparation of specimens and microscopic study. It is provided also with a stereopticon and projecting microscope for demonstration purposes. Adjoining this large laboratory, there are a professor's study, and preparation laboratory with a photographic room fully equipped with all necessary apparatus.

The laboratory classes are usually divided into sections of not more than fifty students. This work has been greatly aided by a large collection of lantern slides from photo-micrographs and framed photographic prints; and by a large histological museum containing sets of microscopic slides sufficient in number on any given subject for a full section of the class, illustrating not only all the ordinary soft tissues, but also the peridental membranes, dental pulp, periosteum, and ground sections of the teeth. These microscopic slides and sections, together with those stained and mounted by the students, are used by the classes for purposes of study.

First Year

a. *Lecture Course*—The construction and the use of the microscope. A study of cell structure and functions, of the elementary tissues; histology of the organs; circulatory, lymphatic, alimentary tract, and accessory glands, respiratory system, urinary organs, and skin. One lecture a week. Professor F. B. Noyes.

b. *Laboratory Course*—A laboratory study of the subjects of the lecture course. One three-hour period a week. Professor F. B. Noyes, Dr. Pillinger, and assistants.

c. *Quizzes and Recitations*—One hour a week. Dr. Pillinger.

Second Year

d. *The Dental Tissues*—Enamel; the peridental membranes; periosteum; bone; mucous membranes and other soft tissues of the mouth. One and two-thirds semesters. One lecture a week. Professor F. B. Noyes.

e. *Embryology*—A short course. One lecture a week. One-third of a semester. Professor F. B. Noyes.

f. *Laboratory Course*—A laboratory study of the subjects of lecture courses d and e. One three-hour period a week. Professor F. B. Noyes, Dr. Pillinger, and assistants.

g. *Quizzes and Recitations*—One hour a week. Dr. Pillinger.

Physiology

PROFESSOR WIGGIN

The work in Physiology includes a course of two lectures a week and text-book study with quizzes, in the first year; in the second year the subject is continued, one lecture a week, devoted mainly to the brain, nervous system, and the functions of reproduction.

First Year

a. *General Physiology*—The structure of the elementary tissue; the chemical composition of the body; the blood; the circulation of the blood. First semester. Two lectures a week. Professor Wiggin.

b. *Quiz Class Work*—In sections. First semester. Two hours a week.

c. *Respiration*—Secretion; food digestion; metabolism; nutrition and diet; animal heat; excretion; muscle; nerve physiology; production of voice. Second semester. Two lectures a week. Professor Wiggin.

d. *Quiz Class Work*—In two sections. Second semester. Two hours a week.

Second Year

e. *The Central Nervous System*—Brain; spinal cord; reproductive organs; development. Lectures and recitations. One hour a week. Professor Wiggin.

f. *Quizz Class Work*—In sections. Two hours a week.

General Pathology

PROFESSOR WIGGIN

This course is essential to the student's understanding of general pathological conditions, and forms the basis of his studies of the special pathology of the tissues of the teeth, the membranes of the teeth; the correlated tissues, and the organs of the mouth.

Second Year

a. *Etiology of Disease*—Disorders of nutrition and metabolism; diabetes; fever; general circulatory disturbances; local hyperemia; local anemia; hemorrhage; embolism; infarction; thrombosis; retrogressive processes; atrophy; infiltrations and degenerations; necrosis; inflammation; progressive tissue changes; neoplasms; infections; granulomata; bacteria, and diseases caused by them. Lectures and recitations. One hour a week. Professor Wiggin.

b. *Quiz Class in Sections*—Second semester. Two hours a week.

Operative Dentistry, Pathology and Bacteriology

PROFESSOR G. V. BLACK, PROFESSOR A. D. BLACK, PROFESSOR WILLARD, PROFESSOR GETHRO, DR. BIRKLAND, DR. MACFARLANE, AND ASSISTANTS

Operative Dentistry in some of its forms is presented to the student from the time he enters the school to his graduation. In the first year he makes a study of the human teeth, or dental anatomy, of the forms and nomenclature of the instruments used in operations on the teeth, of the preparation of cavities for filling, of filling materials and their manipulation.

The second year includes a lecture course with demonstrations on the technical procedures in filling teeth, and the student begins practical operations in the clinic room.

The third year includes a review of the technical procedures in filling operations, followed by a careful study of the pathology of dental caries, and the adaptation of means to its amelioration and cure.

The Clinic Rooms, built especially for the purpose, have abundant room with the best of light. They are well equipped with Columbia operating chairs in ample number for the classes.

The Operative Infirmary Clinic is under the direct supervision of the Professor of Operative Dentistry. The student begins this work with the opening of his second year and continues it to the end of the third year; the time given to it is much greater in the third year than in the second. It is the intention that this infirmary practice shall be as much like an actual dental practice as possible. The development of the ability to obtain and hold a practice, or the professional courtesy of an operator toward his patient essential to personal success, is regarded equal in importance to the development of manipulative ability.

The clinic rooms will be open through the whole year for the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer is sufficient for the class that chooses to remain with the school. The clinical material is ample and excellent opportunity is offered for clinical practice.

DENTAL ANATOMY

First Year

a. *Descriptive Anatomy of the Human Teeth*—Nomenclature. First semester. One lecture or recitation a week. Professor Gethro.

b. *Laboratory Course*—Studies of the forms of individual teeth; carving the tooth forms in bone or ivory; dissections and studies of the internal parts —pulp chambers and root canals. First semester. Nine hours a week. Professor Gethro and Dr. Shuford.

OPERATIVE TECHNICS

First Year

c. *Instruments and Instrumentation*—A study of instrument forms, instrument construction, and the adaptation of instruments to the excavation of cavities. First third of second semester. One lecture a week. Professor Gethro.

d. *Laboratory Course*—First third of second semester. Nine hours a week. Professor Gethro and Dr. Shuford.

e. *Cavity Nomenclature*—A study of the location of cavities in extracted teeth, of the orms of prepared cavities, of the naming of internal parts of cavities, and of the use of instruments in their preparation. Second third of second semester. One lecture a week. Professor Gethro.

f. *Laboratory Course*—Second third of second semester. Nine hours a week. Professor Gethro and Dr. Shuford.

g. *Filling Materials and Filling Teeth*—Third third of second semester. One lecture a week.

h. *Laboratory Practice*—Filling materials and filling prepared cavities; extracted teeth, ivory, or bone. Third third of second semester. Nine hours a week. Professor Gethro and Dr. Shuford.

Second Year

i. *Technical Procedures in Cavity Preparation*—Cavity nomenclature; cavity preparation; principles, instruments and appliances, and instrumentation; cavity preparation, by classes of cavities. One lecture and recitation a week, Professor Gethro.

j. *Technical Procedures in Filling Teeth*—Filling materials; instruments and instrumentation, physics of filling operations, and of finishing fillings. Porcelain inlays; preparation of cavities; formation of matrix; making and inserting inlays; gold inlays. Filling with amalgam, cements, gutta-percha. Exposure and removal of dental pulp. Preparation and filling of root canals. One lecture and recitation a week. Professor A. D. Black.

k. *Operative Clinic*—Open to second year students four hours a day during the entire season. Operations amounting to one hundred points required in gold, and one hundred points in amalgam. Professor A. D. Black and assistants.

Third Year

l. *Review of Technical Procedures in Filling Teeth*—First half of first semester. Two lectures a week. Professor A. D. Black.

m. *Pathology of Dental Caries*—Bacteriology of the human mouth; causative relation of bacteria to dental caries; caries of enamel; caries of dentin; inception and progress of dental caries; conditions of the beginning of dental caries; systemic causes of dental caries; susceptibility and immunity to dental caries; vital phenomena in dental caries; hyperesthesia of dentin; treatment of dental caries; curative effect of fillings; selection of filling materials. Second half of first semester. Two lectures and recitations a week. Professor A. D. Black.

n. *Management of Patients*—Cleanliness; evil habits in chewing food, and their correction. Management of special conditions. Management of cavities by classes; extension for prevention and its limitations; esthetic considerations. Erosions, management of cases of erosion. Atrophy; management of cases of atrophy. Second semester. Two lectures and recitations a week. Professor A. D. Black, Dr. Ritter, and assistants.

o. *Quizzes and Recitations*—One hour a week. Professor Willard.

p. *Operative Clinic*—Open to third year students from 10:30 to 5:30 daily during term time. Operations amounting to two hundred points are required in gold, and two hundred points in amalgam. Professor G. V. Black, Dr. Ritter, and assistants.

q. *Special Fillings*—Fillings are made under the instruction and immediate supervision of the special clinical instructors, and later full written descriptions of the conditions indicating the operation, the instrumentation and choice of instruments used, are submitted for grading as to excellence. Dr. Macfarlane and Dr. Birkland.

BACTERIOLOGY

A combined lecture, recitation, and laboratory course. The equipment includes culture ovens, sterilizers, conveniences for handling test tubes and for making culture media.

Third Year

r. *Principles of Bacteriology*—The preparation of culture media; management of laboratory cultures;distinguishing varieties of micro-organisms in laboratory cultures; physiology of micro-organisms; poisons produced by micro-organisms; diseases caused by micro-organisms, particularly those of the teeth and mouth; susceptibility and immunity to diseases. One lecture a week. Professor Willard.

s. *Laboratory Work*—Preparation of culture media; planting and management of cultures; separation of species in mixed cultures; deriving pure cultures from infected animals; cultures from saliva, from mucous membranes and from carious teeth; staining, mounting, and microscopic studies; diagnosis of unknowns. Three hours a week. Professor Willard.

Oral Surgery

PROFESSOR GILMER, PROFESSOR A. D. BLACK, DR. POTTS, AND ASSISTANTS

The course embraces instruction in the general principles of surgery and in the practical application of surgery to pathological conditions occurring in or about the mouth and face, giving special attention to diagnosis and recognition of conditions.

The subject of Anaesthetics and Anaesthesia is presented in detail in lectures, in experiments on animals, in the clinic, in the oral surgery and daily in the extracting clinic. Nitrous oxide is used generally in the extracting clinic, and ether and chloroform in the oral surgery clinic. Local anaesthesia is exhibited frequently in the clinic in cases to which it is adapted.

Third Year

a. *Surgical Bacteriology*—Inflammation; suppuration; wounds; hemorrhage; necrosis; caries of bones; diseases of the maxillary sinus; resection of roots; tetanus; ankylosis; arthritis; facial neuralgia; fractures; dislocations; extraction of teeth; malposition of third molars; impacted teeth; replantation, transplantation, and implantation of teeth; cleft palate and harelip; affections of the lips, tongue, and mouth; tumors; odontomes; ranula; cysts; aneurisms. One lecture a week. Professor Gilmer.

b. *Recitations and Quizzes*—One and one-half hours a week. Professor A. D. Black.

c. *Surgical Clinic*—Two hours a week throughout the year. Professor Gilmer, nurses from St. Luke's Hospital, and Dr. Potts.

d. *Special Clinical Instruction*—Diagnosis and case histories. One hour a week. Professor A. D. Black.

e. *After-Treatment of Surgical Cases*—By students, under direction of Professor Gilmer.

f. *Clinic in the Extraction of Teeth, daily*—Open to second and third year students. Dr. Stowell.

g. *The Evolution of General Surgical Anaesthesia*—State of the patient; nature of operation; choice of anaesthetic; prolonged dental operations; circumstances of administration; inspection and examination of patients; general anaesthetic agents; local and regional anaesthetics, dangers of anaesthesia. Second semester. One hour a week. Dr. Potts.

h. *Clinical Administration of Anaesthetics*—Oral surgery clinic. Two hours a week. Dr. Potts.

i. *Clinical Exhibition of Nitrous Oxid Anaesthesia*—Daily in extracting clinic. Dr. Stowell.

Special Pathology

MATERIA MEDICA AND THERAPEUTICS

PROFESSOR G. V. BLACK, PROFESSOR POUNDSTONE AND ASSISTANTS

Materia Medica is taught in a series of lectures, quizzes, and recitations, with demonstrations and experimental studies. There is also a laboratory study of the most useful methods of preparing drugs for medicinal purposes, with experimental studies of their therapeutic or toxic action. The course is richly illustrated throughout. Abundant practice is given in prescription writing. The great clinic, to which students have access throughout the year, gives large opportunity to witness the application and therapeutic effects of drugs, and to obtain clinical practice.

Second Year

a. *The Sources and Various Forms of Drugs*—General and local action of drugs; agencies that modify the action of drugs; the art of prescribing medicines; a critical study of about one hundred drugs, classified according to their therapeutic and toxic action; a special laboratory study of escharotics, germicides, antiseptics, deodorizers. Systematic medication for dental purposes; dental prophylaxis; the use of germicides, antiseptics, escharotics, and astringents in dentistry. First semester. One lecture a week. Second semester. Two lectures a week. Professor Poundstone.

Lectures and Recitations—Professor Poundstone.

b. *Theses*—Each student is required to write ten theses, of not less than three hundred words each, on subjects assigned.

c. *Clinical Practice*—The Infirmary is open to second year students four hours a day for the observation of conditions requiring the use of drugs and for clinical practice in their treatment. Each student is required to make one hundred points in clinical experience. See also Special Pathology and Therapeutics.

SPECIAL PATHOLOGY AND THERAPEUTICS

In dental practice this is a department of operative dentistry. It includes a study of the diseases and the abnormal conditions of the pulps of the teeth, of the membranes of the teeth, of the immediate surrounding soft tissues and bones, and the mucous membranes of the mouth. See also Oral Surgery.

Third Year

d. *A Review of the Structure and Functions of the Dental Pulp*—Hyperemia and inflammation of the pulp; capping exposed pulps; obtunding sensitive dentin. Pulp devitalization; pulp removal; treatment of canals; root filling; suppuration; the healing process; immunity and susceptibility; suppuration of the dental pulp; alveolar abscess; absorption of roots of teeth

and of bone; caries of bone; necrosis. A study of germicides and antiseptics with laboratory tests. Bleaching teeth. First semester. Two lectures a week. Professor G. V. Black.

e. *Peridental Membranes*—Review of histological structures; simple gingivitis; calcic inflammation; phagadenic pericementitis; replantation and transplantation of teeth; functions of the mucous membranes of the mouth; stomatitis; prophylaxis; mouth hygiene. Second semester. Two lectures a week. Professor G. V. Black.

f. *The Childhood Periods*—Management of children; the special pathological conditions of the teeth, their membranes, the gums, etc; treatment of caries of the deciduous teeth. The shedding of the deciduous teeth; accidents of the shedding process. Growth and absorption of the roots of deciduous teeth. Growth to completion and reduction of the size of the apical foramen of the permanent teeth. Second half of second semester. Two lectures a week. Professor G. V. Black.

g. *Clinical Practice*—In addition to the above courses, third year students are required to make two hundred points in practical treatments in the Infirmary clinic, and to send in for examination and criticism a complete history of the conditions found and the treatment record of each of ten cases.

Orthodontia

PROFESSOR SELLERY, DR. BUCKLEY, AND ASSISTANTS

Orthodontia is taught both didactically and clinically. Proceeding from the normal occlusion, derangements of the alignment of the teeth and malformations of the dental arch are systematically classified, and mechanical arrangements of fixtures for bringing the several classes of irregularities into normal form are carefully studied. Text-books: Angle, Guilford, Knapp. Lantern slides from photographs, X-ray pictures, and models of cases are used.

Third Year

a. *Occlusion and Facial Art*—Etiology, classification, diagnosis of malocclusion. The alveolus and alveolar processes, the peridental membranes, and use of models. First semester. One lecture a week. Professor Sellery.

b. *Regulating Appliances, Angle, Guilford, Knapp*—Anchorages, jack screws, levers, traction screws, extension arch and combinations, split plates, reciprocal anchorages, retention. Illustrated with models, with movable teeth and enlarged appliances. Stereopticon views, illustrating progressive regulation and final fixation. Second semester. One lecture a week. Professor Sellery

c. *Clinic or Infirmary Course*—Open to students during first and second semesters for practical work in the correction of practical cases. Professor Sellery, Dr. Buckley, and assistants.

Prosthetic Dentistry

PROFESSOR PROTHERO, DR. RITTER, DR. METHVEN, DR. WALDBERG, AND ASSISTANTS

The Prosthetic Technic Laboratory and the Junior Prosthetic Laboratory are situated on the fifth floor, and the Senior Prosthetic Laboratory; the porcelain and inlay laboratory are situated on the sixth floor, adjacent to the crown and bridge room. All are well supplied with outside light, and also completely equipped with electric lights.

Each laboratory is furnished with electric lathes for grinding and polishing. The Junior Laboratory is completely equipped with the heavier laboratory appliances, such as vulcanizers, celluloid presses, and apparatus for casting aluminum plates. The Prosthetic Laboratory, for the use of second and third year students, and devoted to practical operations for patients, is equipped with the appliances necessary for modern prosthetic dentistry, including compressed air for blow pipe work. The adjacent porcelain and gold inlay laboratory is fitted with electric furnaces and with gasoline furnaces and various kinds of swaging devices and casting apparatus for gold-inlay work. The crown and bridge room, for practical prosthetic operations, is equipped with thirty modern operating chairs and a sufficient number of electric connections.

First Year

a. *Prosthetic Technics*—This course covers the fundamental principles of denture construction and crown and bridge work, and accompanies the laboratory course. First semester. One lecture a week. Professor Prothero.

Quiz and Recitation Work—First Semester. One hour a week. Dr. Methven.

b. *Laboratory Course*—Impression taking, model constructing, occluding, waxing, flasking; packing, vulcanizing, and finishing partial and full artificial dentures. First semester. Nine hours a week. Professor Prothero, Dr. Methven, and assistants.

c. *Metallography*—A descriptive course on the nature and physical properties of metals, especially those used in dentistry, with fundamental principles of their uses; the manipulation of metals, swaging, annealing, solders, and soldering, welding, tempering. Second semester. One lecture a week. Professor Prothero.

d. *Quiz or Recitation*—On the work of Courses a, b and c. Second semester. One hour a week. Dr. Methven.

e. *Laboratory Course*—Construction of dies and counter dies; swaging metal bases of German silver; attaching teeth by soldering and by vulcanite; constructions of crowns and dummies, all metal, and metal and porcelain; assembling individual crowns and dummies to form bridges; constructing and tempering taps and dies of steel; drawing wire and tubing suitable for

the construction of orthodontia appliances. Second semester. Nine hours a week. Professor Prothero, Dr. Methven, and assistants.

Second Year

f. *Lecture Course*—Review of technic principles outlined in first year; their application to practical operations in the Infirmary. The physical properties of plaster of Paris and other materials employed in prosthesis. Muscles of mastication; force of the bite; movements of the lower jaw; natural arrangement and occlusion of artificial teeth. One lecture a week. Professor Prothero.

g. *Quiz or Recitation*—One hour a week. Dr. Methven.

h. *Laboratory Course*—Construction of full metal and partial metal base dentures, with teeth attached by soldering and by vulcanite; construction and application of clasps to partial dentures; advanced work in crowns and bridges. Nine hours a week. Professor Prothero, Dr. Waldberg, and Dr. Methven.

i. *Prosthetic Clinic*—Each student is required to carry to completion for patients a number of practical cases, representing each of the various classes of prosthesis, amounting to at least one hundred points in crowns and bridges and one hundred points in plate work. Professor Prothero, Dr. Methven, and assistants.

Third Year

j. *A Critical Review*—Summary of recent methods and appliances; application of porcelain in prosthesis; baked porcelain crowns; porcelain bridges, full porcelain dentures; methods of cavity preparation for porcelain inlays; forming, baking, and setting porcelain inlays. Methods of obtaining wax models of cavities, forming investments, and casting, and setting gold inlays. The student is assigned a series of articles for reading, and is required to present a thesis covering the subject named. One lecture a week. Professor Prothero.

k. *Laboratory Course*—Cast aluminum base dentures; celluloid dentures; banded Logan crowns; baked porcelain crowns; porcelain bridges; continuous gum dentures. First semester. Six hours a week. Professor Prothero, Dr. Waldberg, Dr. Methven, and assistants.

l. *Prosthetic Clinic*—Practical pieces of prosthetic work of all varieties made and fitted for patients in the Infirmary. Studies of the conditions of the mucous membranes; the preparation of roots for crowns and the abutments of bridges; making and setting crowns and bridges, and preparation of cavities and setting porcelain or gold inlays. The minimum requirement is two hundred points in crowns and bridges and two hundred points in platework.

The Infirmary is open to students from 10:30 to 5:30 o'clock each day during term time. This period is divided between the Prosthetic and the Operative Departments, and text-book work and general reading. Professor Prothero, Dr. Ritter, Dr. Methven, and assistants.

Course for Graduates and Practitioners

The course opens on June 15, 1911, and continues four weeks, with six days of teaching each week. It includes two hours of lectures and six hours of practical teaching each day, by members of the regular staff of the School. Especial attention is given to porcelain and gold inlays, crowns, bridge work of all kinds, the treatment of pyorrhœa, and the most recent methods in Operative Dentistry, Oral Surgery, and Orthodontia. The studies for 1911 are:

Operative Dentistry and Special Pathology—Professor G. V. Black, assisted by Professor A. D. Black, and others.

Histology, as Applied to Operative Dentistry—Professor Frederick B. Noyes.

Oral Surgery—Professor Gilmer and assistants.

Prosthetic Dentistry—Professor Prothero, Dr. Ritter, and assistants.

Orthodontia—Professor Sellery.

Certificates are given to those who complete the course.

For the fees payable for this course see "Fees and Expenses," page 263

General Statements

REQUIREMENTS FOR DEGREE

The degree of Doctor of Dental Surgery is conferred upon students recommended therefor by the Faculty of the School. Candidates are recommended who have attended the required courses of lectures, who have passed satisfactorily all required examinations in the subjects of study, the entire last year having been completed in this School; who have completed the required clinical and laboratory work; who in the judgment of the Faculty are of fit moral character and are 21 years of age; and who have discharged in full all financial obligations to the University.

THE LIBRARY AND READING ROOM

The Menges Library and Reading Room, named in honor of the late Dr. Theodore Menges, occupies, together with the attached Journal Reading Room, three thousand feet of floor space. It is furnished with reading tables and chairs for about one hundred students. The Library contains 2904 volumes of books on dental and collateral subjects; a rich supply of dictionaries and encyclopedias conveniently placed in the Reading Room for easy consultation; and a nearly complete list of the dental journals that have been published in the English language, with about 16,000 duplicate numbers. The books most used by the students are duplicated, up to six or twelve, and a few to fifteen copies. The books and journals may be used in the Reading Room without restriction, and when the duplication of volumes will allow, they may be drawn out as a circulating library.

THE MUSEUM

The Museum is in the Reading Room and is open to inspection and study. The cases are arranged to show the specimens to the best advantage.

The comparative anatomy specimens are, with the exception of the gorilla and chimpanzee, of which there are full skeletons, heads with the teeth. There is a sufficient number of varieties of each of the several orders to afford specimens of every kind of tooth form and of every variety of placement in mammals, saurians, and snakes, with a rich variety of fishes.

The principal specimens of human skull are first, an excellent mounting of the separated bones of the adult; second, a fine set of dissections in a series showing the development of the teeth and the roots from the first appearance in the fetus to the full adult development, and illustrating the absorption of the roots of the deciduous teeth, the shedding process, and the replacement by permanent teeth; also the absorption of the alveolar processes after the loss of teeth, with the changes that occur in the form of the bones of the jaws fron childhood to old age. This is an exceptionally complete, attractive, and valuable set of specimens. There is also a variety of ordinary human skulls.

The Museum contains also a valuable collection of human teeth of abnormal forms; a very full and complete set of specimens illustrating interproximal wear and the flattening of the points of interproximal contact. It is especially rich in casts of cases of supernumerary teeth; some illustrations of the very early forms of artificial teeth, of manufactured porcelain teeth, and of dental instruments, illustrating the development in these lines. This collection has been made in the School largely by students and by alumni, and is being continually increased by donations from those who have met with specimens unusual or rare in practice. Such donations are requested from all practitioners to assist in building up this great museum of abnormal conditions of teeth and of associated parts for the benefit of dental education.

FEES AND EXPENSES

Tuition Fee—A year $150.00

This fee may be paid in two or three installments. If paid in two installments, $78.00 must be paid not later than October 20, and $75.00 on February 20. If paid in three installments, $55.00 must be paid not later than October 20, $50.00 on January 20, and $50.00 on April 20.

Registration Fee—A year ..... $ 5.00
Breakage Fee—A year 1.00
Anatomical Fee—For first and second year students 5.00
Final Examination Fee—For Seniors 15.00
Laboratory Deposit—For chemistry and histology, each, a year 5.00

Deductions are made for damage and loss of apparatus, the balance being refunded to the student. The deposit must be made before the student is admitted to the laboratory.

Locker Fee—For use of a locker for the protection of a student's private property, the student furnishing his own lock, a year..... .50

Time of Payment of Fees—All fees are payable at the beginning of the school year.

Refund of Fees—Fees are returned only in the case of serious illness.

Payments should be made in currency or in Chicago exchange drawn to the order of the Secretary of Northwestern University Dental School.

BOARD AND LODGING

Rooms and board may be obtained in convenient neighborhoods at $4.00 to $6.00 a week. Rooms without board, furnished or unfurnished, may be had at $6.00 to $10.00 a month.

PRACTITIONERS' COURSE FEES

Registration.....$ 5.00
Tuition for one subject..... 45.00
Tuition for two or three subjects..... 60.00
Tuition for the entire course..... 70.00

Graduates of the School are allowed a reduction of 20 per cent from these fees.

For further information relating to the Dental School, address The Secretary, Northwestern University Dental School, Chicago, Illinois.

The School of Music

THE SCHOOL OF MUSIC was established in 1895. It offers extensive practical and theoretical courses in music, and is equipped to fit students for the profession as composers, theorists, artists, teachers, or critics. It makes provision also for the study of music as a part of general culture or as an accomplishment.

The School occupies Music Hall on Willard Hall Campus. This building was erected during the year 1897 for the special needs of the School of Music. It is situated on University Place, between Sherman and Orrington Avenues, immediately to the north of Willard Hall and one block west of the University Campus. It is within easy access of all electric railways, and is two blocks east and two blocks north of the Evanston railway station. It is substantially built of stone and brick, with a tile roof, and is finished in Georgia pine. The main floor contains the Office of the Dean, the Business Office, Reception Room, teaching and practice rooms. On the second floor are additional class-rooms, and a well-arranged concert hall seating three hundred fifty persons. The hall is provided with a large stage, with dressing rooms, a grand piano, a two-manual pipe organ with pedals, and is seated with opera chairs. The basement floor is divided into fourteen rooms, giving a large class-room for recitations in theory and musical history, and thirteen practice rooms.

With its Preparatory Department, and its Certificate and Diploma Courses, the School of Music supplies facilities for the study of music from the very beginning to an advanced stage of artistic proficiency. The student desiring to fit himself for professional performance will find well ordered courses in the study of piano, organ, violin, violoncello, or singing, together with auxiliary studies in the theory and history of music. The student seeking to specialize in theory, composition, or the history of music will find opportunities for development in these departments of work.

The courses of instruction are under the guidance of experienced specialists who have enjoyed the best advantages afforded by this country and Europe. The scholarly side of musical attainment represented in the theoretical courses is unusually complete and exhaustive. While open to all seeking musical instruction, the School particularly welcomes earnest, capable, and diligent students who desire adequately to comprehend and worthily interpret a noble art.

Abram Winegardner Harris, Sc.D., LL.D.
President

Peter Christian Lutkin, Mus.D.
Dean

Irving Hamlin
Secretary

Peter Christian Lutkin, Mus.D., A.G.O.
Professor of Organ, Theory, and Composition

Harold Everard Knapp
Director of the Violin Department
Professor of Violin and Ensemble Playing

Arne Oldberg
Professor of Piano and Composition

William Henry Knapp
Instructor in Voice Culture

Karleton Hackett
Director of the Vocal Department
Instructor in Voice Culture

Day Williams
Instructor in Violoncello

Margaret Cameron
Instructor in Piano

Louis Norton Dodge
Instructor in Piano and Theory

Nina Shumway Knapp
Instructor in Piano

Victor Garwood
Instructor in Piano and History of Music

*Bertha Althea Beeman
Instructor in Voice Culture

*Hila Verbeck Knapp, A.B.
Instructor in Piano

Curtis Abell Barry
Instructor in Organ

Charles John Haake
Director of the Preparatory Department
Instructor in Piano

Alta Dorothy Miller, B.L.
Instructor in Voice Culture

Gail Martin Haake
Instructor in Piano and Normal Methods

---

*On leave of absence

Nellie Beulah Flodin
Instructor in Piano and Ensemble Playing

Alfred George Wathall
Instructor in Violin and Theory

George Alfred Grant-Schaefer
Instructor in Voice Culture

William Alfred White
Director of the Public School Music Department
Instructor in Sight-Reading, Choral Music, and Public School Music Methods

Walter Allen Stults
Instructor in Voice Culture

Charles Joseph King
Instructor in Clarinet, Oboe, and Bassoon

Walfried Singer
Instructor in Harp

Charles Stephen Horn
Instructor in Cornet

Lura Mary Bailey
Assistant Instructor in Piano

Hedwig Brenneman
Assistant Instructor in Voice Culture

Mae Isabel Smith
Assistant Instructor in Piano

Odile Marie Goddard
Assistant Instructor in Organ

Charles Macauley Stuart, A.M., D.D., LL.D.
Lecturer on Hymnology

Admission and Instruction

Students enter the School of Music either as regular or as special students. Regular students pursue prescribed courses of study as candidates for a certificate or diploma. Special students pursue such work as they may elect; but, if they are not residents of Evanston, they are required to take sufficient work to keep their time reasonably occupied. They have the privilege of appearing at the regular solo classes and students' recitals, and thus receive the benefit of frequent public performance. All students come under the discipline and general social regulations of the University.

For the course in Applied Music moderate attainments representing on an average one year of systematic training in singing or two or three years in instrumental music are necessary.

METHODS OF INSTRUCTION

Attention is called to the fact that instruction in instrumental and vocal music is based upon private lessons, and not upon the so-called conservatory or class system. Artistic results are entirely dependent upon a close adaptation of instruction to the individual needs of the pupil, and cannot be accomplished satisfactorily in classes. Advantages of the class system—those of emulation and observation—are fully provided for by weekly solo classes.

OUTLINE OF COURSES

The Course in Applied Music leads to the Degree of Graduate in Music.

The Course in Theory and History of Music leads to the Degree of Bachelor of Music.

The Post-Graduate Course.

The Literary Musical Course.

The Course in Methods in Public School Music.

The Normal Course in Piano Methods.

The Course in Applied Music

The course is designed as a preparation for professional work. Students of decided ability can complete the course in four years.

The course includes the practical study of piano, organ, violin or voice, in private individual lessons, twice a week, for which four hours a day are spent in preparation. It includes also certain theoretical subjects scheduled below, which are given in classes. Voice students may substitute piano playing of medium grade, choir practice and choral practice in the Evanston Musical Club for instrumental sight-reading, ensemble playing, and reading from score. The amount of vocal practice is fixed by the instructor. Organ students divide their time between the organ and the piano; but if sufficiently advanced in technique and in sight reading, they may be relieved from the piano requirements and may substitute one lesson a week upon the organ, with a special tuition rate. See page 278. For students of stringed instruments, orchestra practice is considered an equivalent for ensemble playing.

STUDIES IN COLLEGE

Students pursuing the Course in Applied Music who meet the entrance requirements of the College of Liberal Arts will receive, upon the satisfactory completion of this course, the degree of Graduate in Music. Opportunity is given in Evanston Academy of the University to make up any reasonable deficiency in College entrance requirements without additional expense. Matriculation once effected permits the candidate to pursue each year one College study without additional fee. Candidates registered for such subjects are not permitted to discontinue them except at the end of a semester.

The courses of instruction in the College of Liberal Arts are described in detail on pages 79 to 117. The subjects open to election in the Academy are not given in this catalogue, but are listed in the Bulletin of Evanston Academy, to be had upon application.

Candidates who confine their work to the musical studies scheduled below are granted a diploma of musical proficiency upon satisfactory completion of the course. Such students may carry one literary study in the Academy during the course without additional fee.

A student completing the second or third year work may obtain a School of Music certificate stating his grades in the various theoretical studies, and if desired, it will include a statement as to the character and degree of attainment in applied music.

PROGRAM REQUIREMENTS

In addition to the following schedule candidates for diplomas must satisfactorily perform programs conforming to the following requirements:

Piano Students—A concerto or chamber-music of advanced difficulty; one of the later Beethoven sonatas; one of the more important works of Bach; two Chopin études; selections from the more important works of Schumann and Brahms.

Organ Students—One of the great preludes and fugues of Bach; a sonata of Guilmant or Rheinberger; selections from the works of Thiele, Widor, Merkel, or Franck.

Violin Students—A Bach sonata; a concerto of advanced difficulty; a modern sonata for piano and violin; selections from the more important works of Vieuxtemps and Wieniawski.

Vocal Students—An operatic aria; an aria from Handel's Messiah or Haydn's Creation; an aria from a modern oratorio; group of songs from Brahms, Jensen, Schumann, Schubert, or Franz.

First Year	Second Year
Introductory Harmony, Form and Analysis.....Class A	Harmony.....Class D
History of Music.....Class B	Form and Analysis.....Class E
Sight-Reading, Vocal.....Class C	History of Music.....Class F
Ensemble, four and eight-hand piano playing	Chorus and Choir Training .Class G
Solo Classes, Recitals and Concerts	Ensemble, pianoforte and strings, and Accompaniment
Applied Music, two half-hour lessons a week	Solo Classes, Recitals, Concerts
One College or Academy Study, Optional	Applied Music, two half-hour lessons a week
Physical Culture, Optional	One College or Academy Study, Optional
	Physical Culture, Optional

Third Year	Fourth Year
Counterpoint.....Class H	Counterpoint, Canon and Fugue .....Class M
Advanced Harmony.....Class I	Vocal Composition.....Class N
Composition .....Class J	Instrumental Composition..Class O
Advanced History of Music.Class K	Analysis.....Class P
Analysis.....Class L	Ensemble, Chamber Music
Ensemble, pianoforte and strings, and Accompaniment	Normal Piano Methods, Optional
Solo Classes, Recitals, and Concerts	Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week	Applied Music, two half-hour lessons a week
One College or Academy Study, Optional	One College or Academy Study, Optional
Physical Culture, Optional	Physical Culture, Optional

For hours of recitations and details of studies in Classes A to W see pages 274 to 276.

Course in Theory and History of Music

This course is intended for composers and theorists. It requires four years and leads to the degree of Bachelor of Music. The candidate for admission to the course should be fairly experienced at the piano, and able to play all exercises and compositions taken up in class, including score reading.

The candidate must complete satisfactorily the studies of the schedule below, and obtain in the College of Liberal Arts one-fourth of the number of credits required for the degree of Bachelor of Arts. His list of studies must include General Physics.

He is required to score for full orchestra a composition assigned to him by the faculty such as a movement from a piano sonata by Beethoven, or to compose and score an original work of considerable length. This work must be satisfactory to the faculty in technical and artistic aspects, and must demonstrate a decided command of orchestral resources and effects.

This course necessitates constant attendance upon choral and orchestral concerts, and the diligent study of the full scores of standard works.

Upon the completion of three years of this course a certificate is issued by the University.

First Year	Second Year
Harmony.....Class D	Counterpoint.....Class H
Form and Analysis.....Class E	Harmony.....Class I
History of Music..Classes B and F	Composition.....Class J
Chorus and Choir Training.....G	History of Music.....Class K
Ensemble..... Optional	Analysis .....Class L
One College Study	Ensemble .....Optional
Physical Culture.....Optional	One College Study
	Physical Culture.....Optional

Third Year		Fourth Year	
Counterpoint, Canon and Fugue	Class M	Canon and Fugue	Class Q
Vocal Composition	Class N	Vocal Composition	Class R
Instrumental Composition	Class O	Instrumental Composition	Class S
Analysis	Class P	Ensemble	Optional
Ensemble	Optional	One College Study	
One College Study		Physical Culture	Optional
Physical Culture	Optional		

For hours of recitation and details of studies in Classes D to S, see pages 274 and 275.

The Post-Graduate Course

This course offers to performers opportunity to pursue further their preparation for artistic concert performance or to extend their knowledge of the classical literature of applied music. To composers it offers valuable experience in the larger forms, such as cantatas, oratorios, chamber music, and symphonies.

The Literary Musical Course

This course, intended for students of high school grade, includes the more essential subjects of general culture, together with the study of music for two hours daily. It is the four-year course of Evanston Academy, with the substitution of Music for one-fourth of the required work. The choice of studies includes English, Latin, Greek, German, French, ancient and modern history, algebra, plane geometry, botany, zoölogy, and physics. Music is pursued continuously during the entire course, two lessons a week to be taken, requiring at least two hours a day in practice and preparation. Students who wish to pursue the study of music as a part of their school work come under the jurisdiction of the Academy, and receive its diploma upon passing the necessary examinations. For particulars, other than musical, see the circulars of Evanston Academy of Northwestern University.

The Course in Methods of Public School Music

This course covering two years of work instead of one year as heretofore has been expanded in scope, and is intended to fit the candidate thoroughly for the position of Supervisor of Music in the public and high schools. The applicant must be familiar with the rudiments of music, including time combinations and scale building, both major and minor, and sing

simple melodies at sight. While these subjects are reviewed in classes, sufficient time is not given for their mastery by the unprepared. A diploma is granted upon satisfactory completion of the course.

As an organic part of the University, the School of Music offers peculiar advantages, as all the resources of the University are at the command of the student.

The study of music is assuming more importance in public and high schools throughout the country, and well-equipped teachers and supervisors are in demand. The ability to teach one or two other branches besides music will frequently improve the candidate's chances of obtaining a position, and of securing higher remuneration. A high school education or its equivalent is necessary to secure a desirable position.

While the University does not offer courses in Public School Drawing, the schedule of studies in the Public School course is so arranged that students may attend the Saturday morning classes in drawing at the Art Institute of Chicago, one of the best schools of art in the country. These classes are especially intended to fit students for teaching elementary drawing in the public schools.

SCHEDULE OF STUDIES

First Year	Second Year
Introductory Harmony, Form and Analysis A	Harmony D
History of Music B	Form and Analysis E
Sight-reading (vocal) C	History of Music F
Public School Methods T	Chorus and Choir-Training G
English in either the College of Liberal Arts or Academy	High School Methods U
Private Lessons in Voice or Piano	Psychology and Pedagogy V
Physical Culture, optional	College or Academy Study.
	Private Lessons in Voice or Piano
	Physical Culture, optional

For hours of recitation and details of studies in Classes A to V, see pages 274 *to* 276.

Fee: Theory $30.00 a quarter, plus the fees for private lessons in voice or piano; $10.00 a quarter to students regularly registered in Courses in Applied Music, in the Theory and History of Music, and in the Normal

Course in Piano Methods. In voice or piano, two lessons a week in one study may be taken from the table of Major Study Fees, pages 278 and 279. An additional study, or one lesson a week in the single study, if such be desired, will be taken from Special Student Fees, pages 279 and 280.

Normal Course in Piano Methods

This course is intended for those expecting to teach piano. It is two years in length, and with the exception of Class W, is identical with the first two years of Course in Applied Music. The Course should give inexperienced teachers a definite working plan, and a varied and practical teaching repertory. Upon its satisfactory completion a certificate in Normal Piano Methods is granted.

Class W of this course is divided into many sections of six or eight students each, meeting weekly in one-hour sessions, thus enabling each student to come into close touch with the instructor. It requires one full year of thirty-six consecutive weeks. It will comprise an orderly survey of the materials of music education with special reference to piano playing, from the rudiments to an advanced stage of attainment. The class examines a great amount of the easiest piano literature, and prominence is given to certain guiding principles that determine what to use, when to use it, how to use it, and why to use it at all. Table-work and finger-play, in the form of games for the purely physical and gymnastic development of the child, are discussed. Careful attention is given to the modern processes of teaching intervals, tune, rhythm, notation, keys, signatures, etc. Thorough study is also made of a large and varied assortment of teaching material of the more advanced grade, including instruction books, sonatine and sonata literature. Attendance upon the Children's Demonstration Classes of the Preparatory Department is obligatory. The student is required to keep a note book, and will be examined at the end of each semester.

SCHEDULE OF STUDIES

First Year	Second Year
Introductory Harmony, Form and Analysis A	Harmony D
History of Music B	Form and Analysis E
Sight-reading (vocal) C	History of Music F
Ensemble, four-and eight-hand piano playing	Chorus and Choir Training G
Solo Classes, Recitals and Concerts	Normal Piano Methods W
Applied Music, two half-hour lessons per week	Ensemble (pianoforte and strings) and Accompaniment
College of Academy Study, optional	Solo Classes, Recitals and Concerts
Physical Culture, optional	Applied Music, two half-hour lessons per week
	College or Academy Study, optional
	Physical Culture, optional

Class Work

Details of the class work included in the foregoing courses are indicated in the following schedule alphabetically. These classes, under certain restrictions, are open to students in the College of Liberal Arts.

A. *Introductory Harmony, Form and Analysis*—Scale and melody writing; construction of the period; intervals and two-part writing; chord-reading; small two-part primary forms; triads, inversions, chord-connection in three and four parts, cadences, modulations, dominant sept-chord. Mon., Wed., Fri., 3; Tu., Thur., 3; Sat., 9:30. Mr. Dodge.

B. *History of Music*—A general survey of musical history and biographies of musicians. Recitations; class singing of specimens of Gregorian chant, early canons, and folk songs. Musical illustrations of later periods. Text-books: Clarence G. Hamilton's Outlines of Music History, and Myers' General History (revised edition). Th., 2, 3. Mr. Garwood.

C. *Sight-Reading, Vocal*—Drill in scale and interval singing. Time sub-divisions, ear training, dictation, part-singing. Mon., Th., 4. Mr. White.

D. *Harmony*—Figured basses and harmonization of melodies, employing the use of triads, dominant, diminished, and supertonic sept-chords, with inversions, in dispersed harmony. Secondary sept-chords and chords of the ninth. Suspensions and tones foreign to the harmony. Organ-point, modulation, etc. Text-book: Chadwick's Harmony. Mon., Th., 11. Professor Lutkin.

E. *Form and Analysis*—Chord-reading. Bach's invention. Primary forms, principally from Mendelssohn and Chopin. Song or aria form. Minuets, marches, scherzos, rondos, theme and variations, the sonata form. Sonatas as a whole. Preludes and fugues. Tu., Fri., 11. Professor Lutkin.

F. *History of Music*—Lectures on the growth of musical art as related to the events of general history and the development of literatures. Text-book: Waldo S. Pratt's History of Music. Mon., 2, 3. Mr. Garwood.

G. *Chorus and Choir Training*—The Monday evening sessions are the regular rehearsals of the Evanston Musical Club. The Wednesday sessions are at Music Hall, with the following outline of work: hymns, part-songs, anthems. Choral service of the Episcopal church. Cantatas and oratorios. Ensemble singing in duets, trios, and quartettes. Mon., 8 p.m., Wed., 5. Professor Lutkin.

H. *Counterpoint*—Counterpoint in the various species in two, three and four parts. Tu., Fri., 10. Professor Lutkin.

I. *Advanced Harmony*—Harmonization of chorals; remote modulations; unprepared and unresolved dissonances. Text-book: Foote and Spalding's Modern Harmony. Wed., 10. Professor Lutkin.

J. *Composition*—Primary forms, including the minuet, scherzo, march, etc. Simple and elaborated accompaniments. Score-reading, including viola clef. Mon., Th., 8:30 to 10; Mon., Th., 1:30 to 3; Tu., Fri., 8:30 to 10. Professor Oldberg.

K. *Advanced History of Music*—Evolution of Music; correlated arts. Lectures and class work. Text-book: Parry's Evolution of the Art of Music. Mon., 11. Mr. Garwood.

L. *Analysis*—Bach's well-tempered clavichord. Beethoven's sonatas. Brahms' pianoforte works. Concertos. Wed., 11. Professor Lutkin.

M. *Counterpoint, Canon and Fugue*—Counterpoint in five or more parts. Double and triple counterpoint. Canons in the various intervals. Tu., 9. Professor Lutkin.

N. *Vocal Composition*—Exercises in the application of rhythms and forms to verse. Songs, duets, trios, quartettes, and part-songs. The anthem and the unaccompanied motette. The canticles and communion service of the Episcopal church. Mon., Th., 10. Professor Lutkin.

O. *Instrumental Composition*—Song or aria forms. The various sonata movements. Compositions for piano and strings, and for small orchestra. Mon., Th., 11 to 12; Tu., Fri., 10 to 11. Professor Oldberg.

P. *Analysis*—Chamber music. Organ compositions. Church cantatas. Oratorios and symphonies. Orchestral music from full score. Fri., 9. Professor Lutkin.

Q. *Canon and Fugue*—Hours to be arranged. Professor Lutkin.

R. *Vocal Composition*—The cantata, with piano and orchestral accompaniment. Fugal and double choruses. The oratorio and the mass. Tu., 2 to 4. Professor Lutkin.

S. *Instrumental Composition*—The sonata form in piano and chamber music. The overture and symphony for full orchestra. Wed., 8:30 to 10:30. Professor Oldberg.

T. *Public School Methods*—Study of the child voice. Methods of teaching. Practical demonstration. Chorus conducting. Tu., Fri. 2. Mr. White.

U. *High School Methods*—Management of school choruses, orchestras, and bands. Scoring for amateur orchestras and bands. Methods of high school harmony. Tu., 4. Mr. White.

V. *Psychology and Pedagogy*—Relation of psychology and pedagogy to general education, with particular application to musical education. Text-books: R. P. Halleck, General Psychology; E. W. Bryan, Basis of Practical Education. Fri., 4. Mr. White.

W. *Normal Piano Methods*—Ear-training, rhythm, and time-values; notation, sight-reading, scale-building, circle of fifths and signatures, melody-writing, technic, games, phrasing, use of pedal, dynamics, ornamentation, teaching materials. One hour a week; hour to be arranged. Mrs. Haake.

Preparatory Department

A Preparatory Department is maintained by the School of Music in which excellent instruction may be obtained in piano, organ, voice, or theory. Instruction is given for the most part by graduates and under-graduates of the school, classified as Assistant Instructors. The quarters coincide with those of the regular school and are nine weeks in length. Tuition rates are from fifteen dollars to eighteen dollars a quarter of eighteen half-hour lessons.

General Statements

GRADUATION

Upon the recommendation of the Faculty, diplomas are given to students who complete the Course in Applied Music, the Course in Theory and History of Music; or the Course in Methods of Public School Music, and certificates to those completing the Normal Course in Piano Methods, or the second or third years of the Course in Applied Music.

Certificate of Performance

Certificates of performance are given to students who have studied two years in the school and can perform creditably a program in their specialty. The minimum requirements are as follows:

Piano Students—Beethoven, a complete sonata; Bach, a fugue or three-voiced invention; Mendelssohn, Schumann, Chopin, characteristic pieces of average difficulty; two selections from modern composers.

Organ Students—Bach prelude and fugue; Mendelssohn, sonata complete; two groups of pieces drawn from the modern English and French schools.

Violin Students—A sonata for piano and violin from Haydn, Mozart, or Beethoven; one of the easier Viotti concertos; two groups of solo pieces of average difficulty.

Vocal Students—An oratorio aria; a group of songs from the classic composers; a group of songs from modern composers.

FEES AND EXPENSES

All fees are for the year 1910-1911 and are subject to change in subsequent years. Revised rates are given each year in advance in the July catalogue of the School of Music, to be had upon request.

The school year is divided into four quarters of nine weeks each, and the indicated fees, unless otherwise stated, are payable each quarter strictly in advance at the University office, 518 Davis Street. Checks may be drawn payable to Northwestern University.

Matriculation Fee—A matriculation fee of five dollars is charged upon entering the regular courses of theoretical classes. It is paid but once.

Incidental Fee—A fee of fifty cents a quarter is charged each student. This fee covers admission to the Artists' Series of Concerts.

Musical Club Fees—Active membership in the Evanston Musical Club, see Course G, page 274, is three dollars a year. Students in regular courses are required to attend the concerts of the Club and are charged fifty cents in the first, second and third quarters for admission to these concerts, with reserved seat. Students who are active members of the Club are exempt from this charge.

Diploma and Certificate Fees—The diploma fee is ten dollars. The certificate fee is five dollars.

Locker Fee—A fee of twenty-five cents a quarter is charged those desiring the use of a locker.

Free Courses—The classes in Sight-Reading, the Chamber Music and Faculty Concerts, except the Artists' Series, numerous recitals and lectures in the School of Music and others in departments of the University, are open to students of the School of Music, free of charge.

COURSE FEES

Course in Applied Music—A Theory fee of twenty dollars is charged in addition to the fee for one major study as given in the table below.

Course in Theory and History of Music—The fee is twenty dollars.

Post-Graduate Course—Same as Special Student fees.

Literary Musical Course—The fee is the Academy tuition fee of eighty-four dollars a year, in addition to fees for Special Students of the School of Music, less five dollars a quarter.

Course in Methods of Public School Music—The regular fee is thirty dollars. Students registered in the Course in Applied Music, the Course in Theory and History of Music, or the Normal Course in Piano Methods, pay ten dollars. Students desiring applied music may take one study under the fees of the table of Major Study Fees; if more than one be desired, the additional study is taken in the table of Special Students Fees.

Normal Course in Piano Methods—A theory fee of twenty dollars a quarter in the first year, or twenty-five dollars a quarter in the second year, is charged, in addition to the fee for one major study as given in the table below.

Additional Fees—Students desiring to take more than one College study are referred to the statements of College fees on page 142.

Major Study Fees

The fees for Major studies are given in the following table. They are applicable to one study of students paying the full Theory Fee of twenty dollars or the full Public School Methods Fee of thirty dollars. Additional studies are taken from the table of Special Student Fees. The rates apply for a quarter of nine weeks; the lessons are a half-hour in length.

PRIVATE LESSONS EACH WEEK	ONE	TWO
Organ		
Peter C. Lutkin		$35.00
Peter C. Lutkin, Special Organ rate, see page 268	$20.00	
Curtis A. Barry		20.00
Curtis A. Barry, Special Organ rate, see page 268	12.00	
Odile M. Goddard		20.00
Odile M. Goddard, Special Organ rate, see page 268	12.00	
Piano		
Arne Oldberg		35.00
Victor Garwood		30.00
Margaret Cameron		28.00
Louis N. Dodge		25.00
Charles J. Haake		25.00
Nina S. Knapp		22.00
Nellie B. Flodin		20.00
Gail M. Haake		18.00
Voice		
Karleton Hackett		50.00
George A. Grant-Schaefer		45.00
Alta D. Miller		35.00
William H. Knapp		25.00
Walter A. Stults		22.00

Violin	
Harold E. Knapp	30.00
Alfred G. Wathall	20.00
Violoncello	
Day Williams	22.00
Theory	
Arne Oldberg	40.00
Louis N. Dodge	25.00

FEES FOR SPECIAL STUDENTS

These fees are paid for private lessons by students who take vocal or instrumental music only, or a partial course in theory, or the full theory course under certain conditions already mentioned. The rates are for a quarter of nine weeks; the lessons are a half-hour in length.

PRIVATE LESSONS EACH WEEK	ONE	TWO
Organ		
Peter C. Lutkin	$25.00	$45.00
Curtis A. Barry	13.50	25.00
Odile M. Goddard	13.50	25.00
Piano		
Arne Oldberg	25.00	45.00
Victor Garwood	22.00	40.00
Margaret Cameron	20.00	36.00
Louis N. Dodge	17.00	31.50
Charles J. Haake	17.00	31.50
Nina S. Knapp	15.00	27.00
Nelle B. Flodin	13.50	25.00
Gail M. Haake	12.00	22.50
Lura M. Bailey	10.00	18.00
Mae I. Smith	8.50	15.00
Voice		
Karleton Hackett	33.00	60.00
George A. Grant-Schaefer	30.00	54.00
Alta D. Miller	25.00	45.00
William H. Knapp	17.00	31.50
Walter Allen Stults	15.00	27.00
Hedwig Brenneman	10.00	18.00
Violin		
Harold E. Knapp	22.00	40.00
Alfred G. Wathall	13.50	25.00

Theory

Arne Oldberg	30.00	54.00
Louis N. Dodge	17.00	31.50

Violoncello

Day Williams	15.00	27.00

Clarinet

Charles J. King	10.00	18.00

Cornet

Charles S. Horn	10.00	18.00

FEES FOR PARTIAL COURSES

One hour a week, Classes B, F, I, K, L, M, P	$ 5.00
Two hours a week, Classes D, E, H, N, R, S	8.00
Three hours a week, Classes A, J, O	11.00
Class C, free to those taking other work	1.50
Class G, free to those taking other work	1.50
Class T	10.00
Class U	5 00
Class V	5.00
Class W, free to fourth year students of Course in Applied Music	5.00
Instrumental Ensemble, first year	5.00
Instrumental Ensemble, second, third and fourth years	10.00
Physical Culture, free to students in regular courses	2.50

The above rates apply to students taking a partial theory course and who do not wish to pay the full Theory Fee of $20 mentioned under Course Fees. Detailed information regarding the above courses A to W are given on pages 274 to 276.

FEES IN CHICAGO DEPARTMENT

Class B, one hour a week, a quarter	$ 5.00
Class A or D, two hours a week, a quarter	8.00
Class A or D with Class B, three hours a week, a quarter	11.00

PRACTICE FEES

Piano Practice:

One hour a day	$ 3.00
Two hours a day	5.50
Three hours a day	8.00
Four hours a day	10.00

Three-manual Pipe Organ, including blowing, 30 cents an hour.

Two-manual Pipe Organ, including blowing, each hour of daily practice, a quarter 10.00

Vocalion Organ, including blowing, each hour of daily practice, a quarter..... 7.50
Pedal Piano, each hour of daily practice, a quarter..... 5.00
Combination rate for two-manual pipe organ and pedal piano, each hour of daily practice, a quarter..... 7.50

REFUNDS

Private lessons falling upon legal holidays are made up at the convenience of the teacher. Deductions are not made for occasional absences due to illness or other causes. In cases of protracted illness, when due notice is given, private lessons missed are transferred to a later quarter, or the loss is divided with the student.

A discount of twenty-five per cent on private lessons is allowed to the immediate members of the family of a clergyman who is actively engaged in the work of the ministry. It is not allowed on class instruction or practice. One-half the fee for class lessons or practice is refunded to a student who withdraws before the middle of a quarter, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health does not permit him to remain in attendance.

CHICAGO DEPARTMENT

Courses in theoretical music are offered at the Northwestern University Building, 87 Lake Street, Chicago, which in scope and content are identical with similarly designated courses given at Evanston. In the present year three courses, A, B and D, are offered. Additional courses will be offered in 1911-1912. Course A is given Wednesday at 4:30 and Saturday at 9:00; Course B is given Saturday at 10:00; Course D is given Wednesday at 5:30 and Saturday at 11:00. These hours were selected with particular reference to the needs of teachers in the Chicago public schools, who may wish to pursue these studies for credit toward, a university degree, or towards "Extension Work" under the Chicago Board of Education.

Courses A, B, and D bear credit in the School of Music towards the degrees of Graduate in Music and Bachelor of Music, and towards a diploma for Public School Music Methods. Course B bears credit in the College of Liberal Arts of Northwestern University of two semester hours, Course D of four semester hours, while Course A bears none.

The Chicago Board of Education will grant one credit towards its "Extension Work" for 36 hours of actual recitation time in Courses A, B, or D. Thus a teacher in the public schools may secure for Courses A and B two semester hours of College credit, and three credit points in "Extension Work"; for Courses B and D six semester hours of College credit and three credit points in "Extension Work." For fees, see page 280.

For further information and for special circulars relating to the School of Music, address Northwestern University School of Music, Evanston, Illinois.

The School of Commerce

THE SCHOOL OF COMMERCE was organized in June, 1908, through the co-operation of Northwestern University with sixty business men,—members of the Chicago Association of Commerce, the Illinois Society of Certified Public Accountants and the Industrial Club of Chicago, who organized as a Board of Guarantors, assumed financial responsibility for the School for three years. An executive committee, composed of the President and the Business Manager of the University, three members of the Chicago Association of Commerce and three members of the Illinois Society of Certified Public Accountants, supervises the School's finances. The co-operation of these men with the University in founding the School of Commerce was brought about largely through the efforts of Mr. Joseph Schaffner.

The School is a recognition of the rapidly developing professional standards in modern business, and of the need for thoroughly trained men to meet the problems which business complexity and specialization produce. It will emphasize the need for high grade professional service and will aim to develop the qualities of mind and spirit which the public is demanding from leaders of business enterprise. By increasing the usefulness of its students, the School hopes to enlarge their opportunities for securing positions of responsibility in which they can aid in raising the standards of business efficiency.

The material offered by business activities of city and nation constitutes the laboratory of business education; the work of systematizing and reducing this material to teachable form is the special task of the University. The work now being done by associations of commerce and other business organizations is constantly making commercial data more available. By developing its opportunities for laboratory study of this kind, the School may expect to become a clearing house for scientific business information.

In enlarging its curriculum it is the policy of the School to add new subjects as rapidly as information is reduced to scientific and teachable form. It will continue to invite to its service men who are eminent both in the practical and in the educational side of business, and as it matures in years and experience will extend its work over the whole field of business life.

Northwestern University, with a building in the heart of the business district of Chicago, offers exceptional opportunities for carrying out a program of this sort. Its situation brings the School within easy reach both of prospective students and of facilities for study, and membership in the University guarantees breadth of view and scientific ideals. The combination of practical training and broad culture is insured by a supervising body made up both of business men and educators. The success of the first two years has demonstrated that there is a large field for the work of the School and gives assurance of a broader scope of usefulness in the future.

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Willard Eugene Hotchkiss, Ph.D.
Dean and Professor of Economic and Social Science

Seymour Walton, A.B., C.P.A.
Professor of Theory and Practice of Accounting

Walter Dill Scott, Ph.D.
Professor of Advertising

Earl Dean Howard, Ph.D.
Assistant Professor of Banking and Finance

Murray Shipley Wildman, Ph.D.
Assistant Professor of Economics and Commerce

Alfred William Bays, A.B., LL.B.
Assistant Professor of Commercial Law

William Dunton Kerr, A.B., LL.B.
Instructor in Transportation

Guy Van Schaick, B.L., LL.B.
Instructor in Commercial French and Commercial Spanish

Arthur Edward Andersen, C.P.A.
Lecturer in Accounting

Charles Heinrichs Langer, C.P.A.
Lecturer in Accounting

Donald Francis Campbell, Ph.D.
Lecturer in Insurance

Alexander Fyfe
Lecturer in Transportation

Walter Kay Smart, A.M., Ph.B.
Lecturer in Business English

Clyde Barnes Cooper, A.M.
Assistant in Business English

Neva Olive Lesley
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Admission and Instruction

Applicants for Admission to the School must be at least eighteen years of age and those under twenty-one years of age must be graduates of an approved high school. A candidate for a diploma is expected to have had the advantage of a complete high school training or its equivalent. Persons of suitable age and business experience, who are not in a position to register for the complete diploma course, may register for any subject for which they are prepared. Admission to the several courses is determined by ability to pursue the work with profit. Plans are under consideration for the establishment of a degree course for admission to which two years of college credit will probably be required.

Courses of Instruction

A candidate for a diploma or a degree in the School of Commerce is required to complete the following work: one year in Accounting, one year

in Commercial Law, one year in Finance and one year in Economics. The required subjects are intended to equip the student with the fundamental principles applicable to business in general, after which he will adapt his course to the nature of the business he is preparing to pursue. The subjects outlined below indicate the range of work from which electives may be chosen. Additions and alterations will be made as experience may suggest.

Accounting

PROFESSOR WALTON, MR. ANDERSEN, MR. LANGER

Accounting, First Principles—The evolution of bookkeeping is taken up from the elementary single entry system to modern and advanced double entry methods. The practical work consists of a graded set of practice books, covering various mercantile and manufacturing accounts, and includes the opening and closing of the books of individuals, partnerships and corporations, and the preparation of statements showing their various operating and financial conditions. Sufficient attention will be devoted to the fundamental principles of accounting to give students without previous accounting experience an intelligent understanding of these principles. Monday evenings, 7-9. Mr. Langer.

Accounting, Intermediate—Principles and procedure of modern accounting; single proprietorship, partnership, corporation, realization, liquidation, receivers', executors', bank and other accounts; "Cost" accounts; and the theory of accounts and auditing. The course provides the training preliminary to the course in Advanced Accounting. A thorough knowledge of routine bookkeeping and elementary accounting is required. Friday evenings, 7–9. Mr. Andersen.

Accounting, Advanced—Scientific analysis of problems in practical accounting, theory and auditing; municipal, public utility and insurance accounts; the sub-divisions of manufacturing accounts. Students completing this course satisfactorily are prepared for the state examination leading to the degree of Certified Public Accountant. Wednesday evenings, 7-9. Professor Walton.

Higher Accounting Problems—A continuation of the Advanced course and intended to broaden the foundation of students who purpose to follow accountancy as a profession. Specialized courses in higher accounting may be arranged in response to specific demand. Not given in 1910-1911.

Commercial Law

PROFESSOR BAYS

The subjects taught in Commercial Law are grouped into two courses, Commercial Law I and Commercial Law II. The subjects in Commercial

Law I are those of a more general and basic nature, and it is usually advisable that this course be pursued in its entirety before the other course is attempted, though both courses are pursued concurrently with profit by many students. The courses contain the subjects announced below.

Commercial Law I.—The law of Contracts, with especial reference to the contracts of daily business life; the law of commercial paper; the law of sales of goods; the law of bailments and carriers; the law of partnerships; the law of agency. Tuesday evenings, 7-9. Professor Bays.

Commercial Law II.—Real Estate Law; the law of trade marks and unfair competition in trade; the law of debtor and creditor, including bankruptcy; the law of corporations; the law of suretyship; the law of insurance. Thursday evenings, 7-9. Professor Bays.

Business Organization

PROFESSOR SCOTT, DR. CAMPBELL, MR. KERR, MR. FYFE

The courses in this subject will fall under two groups: first, those dealing with the different divisions of large business concerns; second, those dealing with principles and practice applicable to special lines of business. The aim is to bring to students the experience gained in successful business.

Psychology of Business, Advertising and Sales—An intensive study of the psychological principles having particular application to advertising. Methods of selling are analyzed and an attempt is made to understand some of the causes of failure and success so far as they are dependent upon the violation of or conformity to established laws of psychology. More attention is given to advertising than to other forms of salesmanship. Monday evenings, 7-9. Professor Scott.

Insurance Practice I.—The principles of interest and discount; the various tables of mortality with special reference to the American Experience Table of Mortality; net and office premiums; level premium reserves; as much of the theory of preliminary term reserves and the various modifications as will enable the student to understand their meaning; general policy provisions; distribution of surplus as dividends; cash, loan, paid-up insurance values; modes of settlement under a policy. Friday evenings, first semester, 7-9. Dr. Campbell.

Insurance Practice II.—The history of fire insurance; the relations between the insurance company and the policy holder; discussion of the three main types of insurance organization, stock companies, mutual companies, and Lloyds; policies, especially the widely used New York standard policy; forms and clauses, including co-insurance, distribution, mortgage, percentage value, and percentage loss clauses; insurance accounting, particularly with regard to the computation of reserves; loss adjustments;

rating methods, including discussion of the Analytic (Dean) Schedule, the Universal Mercantile Schedule, and special schedules; inspection methods; a discussion of employers' liability, surety bonding and other special branches of insurance. Friday evenings, second semester, 7-9. Dr. Campbell.

Actuarial Science—The subjects treated will be those prescribed for examination for associate membership in the Actuarial Society of America, and the American Institute of Actuaries. Text-books will be prescribed at different times covering the topics under discussion. Wednesday evenings, 7-9. Dr. Campbell.

Railroad Law and Economics I.—Liability of railroads and other common carriers for loss and damage of freight; economic basis of insurer's liability; commencement, character, duration and termination; exceptions. Decided cases are placed in the hands of students to illustrate rules and afford basis for class discussion. Friday evenings, first semester, 7-9. Mr. Kerr.

Railroad Law and Economics II.—Interstate commerce law; rate reasonableness and discriminations at common law and under modern statutes; leading decisions of Interstate Commerce Commission and federal courts; long and short haul clause; commodities clause; procedure of federal and state commissions; inquisitorial, administrative and quasi-judicial powers of commission. Friday evenings, second semester, 7-9. Mr. Kerr.

Railroad Rates and Ratemaking, Elementary—Western, Official and Southern classifications and classification exceptions published by tariff committees, associations and bureaus. Published classifications and exceptions are used as texts. The development of the tariff committee territories is undertaken graphically by members of the class under the direction of the instructor. On the completion of the course students should be able to establish the identity of any freight tariff and without hesitation utilize such issue and know in what territory it is applicable. Tuesday evenings, 7-9. Mr. Fyfe.

Railroad Rates and Ratemaking, Intermediate—This is a continuation of the elementary course and is open only to students who have had the work of the elementary course or its equivalent. Method of establishing rates applicable between different territories; basing point system as developed in different parts of the country; gateways; the relation of rates applicable to different parts of the country. Not given in 1910-1911.

Railroad Rates and Ratemaking, Advanced—This course is open to students who have completed the work of the elementary and intermediate courses, or its equivalent. Practice is given in the actual use of tariffs; rate quotations on typical and difficult shipments; switching and terminal charges; demurrage; transit privileges. Not given in 1910-1911.

Railroad Accounting I.—The organization of the auditing and accounting departments of railroads; the auditing of freight and passenger receipts; station and conductors' reports; auditing and classification of expenses; analysis and correlation of financial and operating data; final summary of the history of the road's operation in the annual report; the interrelation of all phases of the auditing and accounting work. Not given in 1910-1911.

Real Estate—See Commercial Law II.

Money, Banking, and Finance

PROFESSOR HOWARD AND PROFESSOR WILDMAN

Finance—Description of financial institutions, methods, and terms; principles of money; description of monetary and banking systems; function of banks; relation of banks to speculation; panics and financial crises. Thursday evenings, 7-9. Professor Howard.

Corporation Finance—The nature and economic function of business corporations; methods of promotion and organization; the proper use of bonds and stocks with comparative advantages of the various forms; marketing securities. Special emphasis is laid upon the administration of corporate funds, the establishment of credit, the proper management of depreciation and surplus accounts, relations of corporations to the public and the reorganization of embarrassed companies. Tuesday evenings, 7-9. Professor Wildman.

Stocks and Bonds and Investments—A study of the securities issued by national, state and municipal governments and by railroads and industrial corporations; the nature of investment; a comparison of the advantages of various kinds of stocks and bonds for investment purposes; the security market; organization and methods of the stock exchange; banking and stock brokerage business; the organization of bond houses and their methods of marketing securities. Wednesday evenings, 7-9. Professor Wildman.

Economics

PROFESSOR HOTCHKISS AND PROFESSOR WILDMAN

Practical Economics—The adaptation of accepted economic theory to actual business; a study of the principles of value as manifested in economic activity and the application of these principles to specific business problems. Friday evenings, 7-9. Professor Wildman.

Economic Problems—Industrial conditions arising out of concentration of industry; development and preservation of resources; improved methods of production; industrial classes; standard of living; development of trade

unions; influence of unions; business organization and the consolidation of capital; discussion of present economic conditions in business. Not given in 1910-1911.

Economic Resources and Foreign Trade—Comparison of the resources and leading industries of different countries; foreign countries as markets for American goods, as places for investment of American capital; trade conditions in South America and in the Far East; influence of shipping on foreign trade; organization of ocean commerce; tariffs and the development of international trade. Wednesday evenings, 7-9. Professor Hotchkiss.

Public Relations of Business—Relations of large-scale organization to the city, the state and the nation. Civic functions of civil bodies, such as associations of commerce, commercial clubs, boards of trade; government regulation of industries; public service industries and their effect upon the business condition of the city; critical discussion of the object, efficiency, and general policy of public regulation. Not given in 1910-1911. Professor Hotchkiss.

Languages

MR. VAN SCHAICK, MR. SMART, MR. COOPER

Business English—Recitation and drill in the principles of composition as applied to the theme, paragraph, and sentence, and exercises in the meaning and accurate use of words, for the purpose of enlarging the vocabulary of the student. Practice in the application of the principles by the writing of themes, both outside of class and *extempore* in class. In the latter part of the course, special work in forms of business writing. Wednesday evenings, 7-9. Mr. Smart and Mr. Cooper.

Commercial Spanish—Training in pronunciation and conversation; appropriate stress laid on technical vocabulary of trade and on Spanish forms of commercial correspondence. Thorough drill in grammar and in the use of correct and idiomatic expression. The aim of this course is to provide such a practical knowledge of modern Spanish as would prove of value in commercial relations with our insular possessions and the South American republics. Thursday evenings, 7-9. Mr. Van Schaick.

Commercial French—Practice and drill in French grammar and idioms. Training in pronunciation and conversation; exercises in composition, preparatory to the special study of commercial correspondence; discussion and reproduction of French business communications. The course is intended for those who desire a practical knowledge of the language for business purposes. Not given in 1910-1911.

Commercial German—Thorough drill in grammar and idioms; frequent exercises in conversation and in grammatical forms, accompanied by practice and criticism in commercial correspondence. Not given in 1910-1911.

Additional Courses

Courses in Industrial Chemistry, Industrial Engineering, Economic Geology and other subjects not included in the general course in Commerce but indispensable for certain lines of business are offered in response to specific demand.

General Statements

SPECIAL LECTURES

Members of the Board of Guarantors and other men prominent in business and professional life give, from time to time, general lectures to all the students in the School. The regular courses provide for frequent lectures by men who, from their experience, are able to speak authoritatively upon the practical side of subjects under discussion.

CREDIT IN OTHER SCHOOLS OF THE UNIVERSITY

Upon fulfillment of entrance requirements and payment of matriculation fee, students in the School of Commerce may be entered as candidates for degrees in any School of the University. Upon vote of the Faculty of another School of the University, work in the School of Commerce may be credited toward fulfilling the requirements for a degree in that School if such work is along lines covered by the curriculum of the said School.

DAY WORK

It is not proposed to confine the work in commerce to students in evening courses. A large proportion of the subjects which should come within the scope of a day course in commerce are now offered at Evanston, in the College of Liberal Arts, as described on pages 79 to 117. It is anticipated that day work in business subjects will continue to be developed both in Chicago and in Evanston, and that students who enter college with the expectation of following a business career will be enabled to pursue a consecutive course of study. This arrangement, which permits the student to take his professional work in Chicago, offers advantages that will be readily appreciated.

CONSULAR SERVICE

The curriculum of the School of Commerce is not arranged specifically to meet the demands of consular examinations now in force, but individual courses offered in the School of Commerce, the College of Liberal Arts, and the Law School furnish the preparation required. A special course is contemplated for students who are preparing for the consular service.

GRADUATION AND DIPLOMA

The trustees of Northwestern University upon recommendation of the Faculty of the School of Commerce grant a diploma to students who have satisfactorily completed its prescribed courses.

DEGREE OF CERTIFIED PUBLIC ACCOUNTANT

By act of the General Assembly passed May 15, 1903, provision is made for a state examination for the degree of Certified Public Accountant. Business efficiency demands, moreover, that the professional accountant shall be a man of broad training and of recognized professional standing parallel to that of the lawyer and the physician. The close connection of the School of Commerce with the leading men of the profession will enable it not only to meet the demands of the present law, but to set a high standard of professional training.

FEES AND EXPENSES

Tuition fees in the School of Commerce may be paid either in two installments, one at the beginning of each semester, or in advance for the entire year.

For full diploma course, four evenings of two hours each a week,
Each semester.....$45.00
In advance for the year..... 75.00

For three subjects, three evenings a week,
Each semester..... 35.00
In advance for the year..... 60.00

For two subjects, two evenings a week,
Each semester..... 25.00
In advance for the year..... 45.00

For one subject, one evening a week,
Each semester..... 15.00
In advance for the year..... 25.00

An additional fee of $25.00 is charged to those taking the course in Actuarial Science.

Tuition for the first semester and for the year is payable October 10, 1910; for the second semester, February 13, 1911.

Students who become candidates for a diploma or a degree will be required to pay the matriculation fee of five dollars.

BUREAU OF APPOINTMENTS

The School of Commerce endeavors to keep in touch with the growing demand of the business community for trained men. The Bureau offers its services to all the students in the School who are seeking to increase their efficiency and to rise to positions of greater responsibility. Obviously, not every student registered in the Bureau can expect to secure precisely the kind of position nor the degree of promotion he may desire. Those just entering on a business career will realize that they must usually begin at the bottom. The efficacy of the efforts of officers of the School in behalf of

students will depend to a large extent upon the co-operation of the students themselves. Information which may come to any student concerning positions to be filled, with such details as can be secured, should be brought promptly to the attention of the Bureau.

During the past year over thirty new positions were secured for students of the School, with salaries ranging from $10 a week to $2,700 a year. A large proportion of the positions available carried salaries of over $1,500.

Large business houses, in need of trained men, are expressing a desire to secure graduates of the School for positions which open to them a wide field of opportunity.

Registration for employment should be made at the office of the School.

Address all correspondence to the Northwestern University School of Commerce, Lake and Dearborn Streets, Chicago.

Extension Courses for Teachers

For several years the University has offered in its city building courses especially adapted to the needs of teachers in the public schools. In the autumn of 1910 an attempt was made to broaden the curriculum, to make it available to a larger number of teachers, and to work out the details of credit and promotion.

The work in character and amount corresponds to that given in the classes of the College of Liberal Arts and requires the approval of that faculty. There are twelve lectures in each course, one lecture to the week, in two-hour sessions, and for these ample preparation is required.

The following courses were announced for the current year.

Studies of English and American Authors. Professor Clark.

The Short Story. Dr. Snyder.

The English Novel: Its Technique and History. Dr. Snyder.

History of the West. Professor James.

Psychology of the Abnormal Mind. Dr. Gault.

Experimental Physiology. Dr. Hall.

Hygiene and Sanitation. Dr. Hall.

Experimental Nutrition and Dietetics. Dr. Hall.

French. Mr. Papot, Instructor in French in the Crane Technical High School.

Chemistry. Dr. Gordin.

Practical Economics. Professor Wildman.

Economic Resources and Foreign Trade. Professor Hotchkiss.

Stocks and Bonds and Investments. Professor Wildman.

Transportation. Mr. Kerr.

A course of lectures by members of the various faculties of the University upon the general subject of The Teacher as a Public Servant. The lectures dealt rather with the physical and moral service that the teacher renders the pupil and the community than with his instructional work; with his relation to the public law, and to the parent.

The School of Oratory

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Robert McLean Cumnock, L.H.D.
Director

Robert McLean Cumnock, L.H.D.
Instructor in the Laws of Vocal Expression and Dramatic Action

Agness Law
Instructor in Dramatic Expression and Action

James Lawrence Lardner, A.M.
Instructor in Dramatic Art and Presentation

Isabella Lovedale
Instructor in Voice Culture and Interpretation

Anna Gerls Pease
Instructor in English Literature and Rhetoric

Julia Beth Farrell
Instructor in Reading and Dramatic Training

Josephine Frances McGarry
Instructor in Orthoepy and Forensics

Laura Lee
Instructor in Physical Training

Margaret Grace Gilbert
Didactic Reading and Personation

The Northwestern University School of Oratory was organized in 1878 and occupies Annie May Swift Hall on the Campus at Evanston. It is under independent management, but is in close affiliation with the University. The regular course of study covers a period of two years, and offers extended and advanced training in Elocution, English, and Physical Training.

Students satisfactorily completing the regular course, and those completing the post-graduate course are awarded diplomas by the University.

Students in the College of Liberal Arts, by giving care to the selection of their course, may be enabled to graduate from the School of Oratory and from the College of Liberal Arts in five years. Some students, with industry and application, complete the combined course in four years.

The cost of instruction is fifty dollars a term, payable in advance. This fee entitles the student to two private lessons a week, in addition to the regular courses.

For information regarding the School of Oratory, address R. L. Cumnock, Annie May Swift Hall, Evanston, Illinois.

Preparatory Schools

Evanston Academy

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Herbert Franklin Fisk, D.D., LL.D.
Principal Emeritus

Nathan Wilbur Helm, A.M.
Principal and Instructor in Latin

Ada Townsend, A.M.
Instructor in Latin

Clara Grant, Ph.B.
Instructor in English

Carla Fern Sargent, A.M.
Instructor in History

Jane Neill Scott, A.M.
Instructor in Latin

Lewis Hart Weld, A.M.
Instructor in Biology

Frances Christine Rawlins, A.B.
Instructor in English

Helen Church
Instructor in Stenography; Secretary to the Principal

Isaac Merton Cochran, A.M.
Instructor in English and Debating

Lloyd Clinton Holsinger, A.B.
Instructor in Mathematics

Louis Baker, A.M.
Instructor in German

George L. Furrey, Ph.B.
Instructor in Physics and Mathematics

Lewis Omer, B.S.
Instructor in Mathematics and Athletics

Marie Belle Benton, A.B.
Instructor in French

Elizabeth Stanwood, A.B.
Instructor in English

Alvin Percy Bradley, B.S.
Instructor in Mechanical Drawing

Louis Caulton West, B. S.
Instructor in History

S. Inez Traxler, A.B.
Instructor in Latin

Lucille Lotus Goddard
Instructor in English Grammar

Aubrey Shannon Moore
Instructor in Bookkeeping and Penmanship

Alfred George Wathall
Instructor in Orchestral Music

Evanston Academy is situated on the University campus directly on the lake shore, in Evanston, and occupies Fisk Hall, which was erected in 1898. The special work of the School is to prepare students for college and technical school. Besides this special work a general academic education is offered to those who cannot take a regular course, but who wish to prepare themselves for the study of law or of medicine, or for teaching in the public schools, or for business.

As a member of the North Central Association of Colleges and Secondary Schools, the Academy has accredited relations with all the leading colleges and universities of the middle west. It has established special accredited relations with all Eastern universities that admit students by certificate. It is a member of the North Central Academic Association.

The course of study extends through four years and comprises fifteen units of study. Students who give satisfactory evidence of having done thoroughly a part of the course before entering are credited with that work. Students completing the course are admitted to the College of Liberal Arts on certificate of the Principal. The Academy provides instruction adequate for admission to college in the English, French, German, Spanish, Latin, and Greek languages, in mathematics, science, history, and civics. It has an extensive manual training equipment and ample rooms completely furnished with apparatus for laboratory instruction in chemistry, mechanical and electrical physics, zoölogy, and botany. A new course of study preparing for business or college includes the fundamental subjects of a college preparatory course with others looking towards commerce. The latter subjects constitute about one-third of the course, and are accepted by Northwestern University for admission to the College of Liberal Arts.

Hatfield House, the Academy dormitory for boys, is a comfortable, well administered home for about twenty-five boys. The house master,

who is a member of the Faculty, and a matron are in charge. The house is modern in its equipment—heating, plumbing, filtered water, bathing facilities. Students coming to the Academy from a distance, not earning their way nor residing with relatives, are required to live in the House.

Grand Prairie Seminary

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Henry Hoag Frost, A.B.
Principal

Brenta McGregor, A.B.
Instructor in Science and German

Clara Urania Mills
Director of the Conservatory

Florence Victoria Wallace, B.S.
Preceptress, Instructor in English

John Christian Springman
Principal of the School of Commerce

Charles Loren Sage
Assistant in Commercial Branches

Joseph W. Green
Instructor in Pedagogy and Mathematics

Elizabeth Rainbow, A.B.
Instructor in Latin and History

Amy Livingston DeLand, B.S.
Instructor in Domestic Science

Lucile Furnas, A.B.
Instructor in Oratory

Mabel Morris Timberlake
Instructor in Voice Culture

Sarah Seabrook
Director of School of Art

Grand Prairie Seminary is a preparatory school founded in 1863 and affiliated with Northwestern University in 1901. It is well endowed and maintains a high standard of scholarship. It is situated in Onarga, Illinois, on the main line of the Illinois Central Railway, eighty-four miles south of Chicago. The town is an ideal place for a school, having no saloons, and the community is noted for its high moral tone. There is a public library, which is at the service of the members of the School.

The equipment of the Seminary consists of four buildings, a Recitation Hall for class instruction; an Auditorium for public exercises, for musical, oratory, and art instruction; a Gymnasium and Domestic Science Hall; and a Woman's Dormitory and Boarding Hall. The school has a library of carefully chosen volumes of standard works of reference on science, history, biography, and literature. It has laboratory facilities for instruction in physics, zoölogy, botany, chemistry, and domestic science. The Seminary offers the following courses: Academic, Normal, Business, Music, Oratory, Art, Domestic Science, and Gymnasium.

Elgin Academy

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

George Newton Sleight, A.B., B.Pd.
Principal; Instructor in Greek

Florence Sarah Raymond, B.S.
Instructor in Mathematics

Harriett Kendall Burr, A.B.
Instructor in English

Oscar John Coe, B.S.
Instructor in Science; Director of Athletics

John Ernest Alman, A.M.
Instructor in History

Pearl Evalina Foltz, A.B.
Instructor in German

Stella Cecelia Treadwell, A.B.
Instructor in Latin

Pearl Alma Dunbar
Principal of the Preparatory Department

Oliver Joal Penrose
Director of the Commercial Department

Irene Electra Morgan
Instructor in Stenography and Typewriting
Instructor in Stenography and English, Night School

Alma Tucker
Secretary to the Principal

Elgin Academy was first opened to students in December, 1856, in a commodious building erected the previous year. Its charter, originally granted in 1839, was revised in 1855, and in this amended form is still in force. In 1903 it became an affiliated school of Northwestern University.

The Academy is situated in the most healthful part of the city of Elgin, a city of 28,000 inhabitants, on the Chicago, Milwaukee and St. Paul and the Chicago and Northwestern Railways, about forty miles from Chicago. The campus, covering an area of four acres, presents an attractive view. The main building for the regular academic work is an imposing three-story brick structure. It is heated by steam throughout, lighted by electricity, and has the city water on two floors. The rooms are large, airy, and well lighted.

A large three-story building of brick, erected in 1888 through the generosity of Mrs. Vincent S. Lovell, for manual training purposes, is now used for science work and is known as the Lovell Science Hall.

This Academy offers to young men and young women excellent opportunities for a scholarly and practical education. Students are prepared for the leading colleges or for business. The surroundings are those of refinement and of Christian living.

The Theological Schools

Garrett Biblical Institute

Charles Joseph Little, Ph.D., LL.D., S.T.D.
Professor of Historical Theology; President

Milton Spenser Terry, A.M., D.D., LL.D.
Professor of Christian Doctrine and Lecturer on Comparative Religion

Solon Cary Bronson, A.M., D.D.
Cornelia Miller Professor of Practical Theology; Secretary of the Faculty

Doremus Almy Hayes, Ph.D., S.T.D., LL.D.
Professor of New Testament Exegesis; Librarian

Frederick Carl Eiselen, Ph.D., D.D.
Professor of Semitic Languages and Old Testament Exegesis; Registrar

William Joseph Davidson, A.B., D.D.
Professor of Sacred Rhetoric

Robert McLean Cumnock, A.M., L.H.D.
Professor of Elocution and Oratory

John Jacob Rapp, A.B., B.D.
Instructor in Greek and Hebrew

James Lawrence Lardner, A.M.
Instructor in Elocution and Oratory

Walter Allen Stults
Instructor in Hymnology and Church Music

Cassius Marcius Wood
Assistant Librarian

Garrett Biblical Institute received its charter in 1855. It is situated in Evanston, upon the University campus. It was established especially as a theological seminary where young men from the Methodist Episcopal Church might be educated, but it is open to young men from any evangelical church who are properly recommended as candidates for the Christian ministry. It is supported by income from property in the city of Chicago, bequeathed in 1853 as a perpetual foundation by Mrs. Eliza Garrett.

Northwestern University has no theological school under its control, but from the beginning has recognized Garrett Biblical Institute as meeting the needs of a theological department. There is a liberal interchange of work between the College of Liberal Arts and the Institute. Students of the Institute may, on recommendation of the Faculty, take work in the College of Liberal Arts, under the following conditions:

1. All courses in the University, will be open to the students of the Institute without cost, except as hereinafter provided.

2. No student will be recommended to the College of Liberal Arts unless he has been in residence one full year in the Institute, except in the case of modern languages, to which courses the recommendation may apply the first year.

3. No student will be recommended for admission to courses scheduling more than five semester hours.

4. Recommendations can be given only to regular students of the Institute; students in special courses and post-graduate students do not come within this rule.

5. All students entering the College of Liberal Arts from the Institute will be required to pay laboratory fees and fees of courses, which, under the rule of the College, require special fees.

6. All students registered in the Institute taking work in the College shall pay the fixed matriculation fee, viz. $5.00.

7. All students admitted to the College from the Institute shall, in all other respects than those herein set forth, be subject to the rules of the College of Liberal Arts.

The following courses in the Garrett Biblical Institute are open for College undergraduate credit, the total credit for an individual student being limited to thirty semester hours.

Junior Hebrew	4 hours
Middle Hebrew	3 hours
Senior Hebrew	variable
Assyrian	2 hours
Advanced Assyrian	1 hour
Junior Greek	3 hours
Middle Greek	3 hours
Senior Greek	3 hours
History of the Christian Church	3 hours
Christian Doctrine	3 hours

Courses of Study

The courses of study offered come under two headings, Degree Courses and Diploma Courses. Candidates for the degree of Bachelor of Divinity or for the diploma of the Institute must complete in residence at least one year of fifteen hours a week in three or more departments of the Institute, arranged with the approval of the Faculty. No credit is allowed for work done *in absentia* or by correspondence.

DEGREE COURSES

The Degree Courses are as follows:

Bachelor of Divinity—The course for the degree of Bachelor of Divinity is a three years course arranged for classical graduates of approved colleges. Applicants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination or otherwise, they satisfy the Faculty of their classical and literary fitness to complete it.

Candidates for the degree of Bachelor of Divinity may elect Old Testament studies in English instead of work in Hebrew. In the senior year Elocution is the only required study.

Master of Arts—Students in Garrett Biblical Institute pursuing the Bachelor of Divinity Course may become candidates for the Degree of Master of Arts in Northwestern University on the conditions set forth on pp. 146 and 147.

Doctor of Philosophy—A resident course of study leading to the degree of Doctor of Philosophy is offered to college graduates under the regulations prescribed on page 148. Four years are required as a minimum for this degree; three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

DIPLOMA COURSES

Students who complete one of the following courses of study, each of which requires three years, receive the diploma of the Institute.

The Greek-Hebrew Course—This course is intended for those who desire to read and understand the Scriptures in the original, but are not prepared for the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is taught during the second and third years, beginning with the elements. The Greek class in exegesis reads the Synoptic Gospels and the Acts in the senior year. The Hebrew class reads selections from the prophetic and poetical books of the Old Testament. In other departments this course is substantially the same as the Bachelor of Divinity Course.

The Greek-English Course—English exegesis is substituted for Hebrew in this course; it is in other respects the same as the Greek-Hebrew Course.

The English Course—Training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the prophetic and poetical books in Hebrew and of the Synoptic Gospels and Acts in Greek. In Systematic, Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in the other Diploma Courses.

Departments of Instruction

CHRISTIAN DOCTRINE

1. The Theology of the Old and New Testaments.
2. The Doctrines of the Christian Religion.
3. Apologetics.
4. Comparative Religion.

CHURCH HISTORY

1. General Survey of the History of the Christian Church.
2. The History of the Apostolic Church.
3. The History of the Medieval Church and of the Reformation.
4. The History of Methodism in America.
5. The History of Doctrine.
6. The History of the Papacy in the Nineteenth Century.

ELOCUTION

1. Principles of Vocal Expression.
2. Delivery of Orations, Addresses, and Sermons.
3. Reading of the Bible, Hymn Book, and Liturgy.

HYMNOLOGY AND CHURCH MUSIC

1. Studies in Hymnology.
2. The Principles of Reading Music at Sight and Choral Sight Singing.

NEW TESTAMENT EXEGESIS

1. Greek, the Language of the New Testament.
2. General and Special Introduction of the New Testament.
3. Exegetical and Critical Study of various portions of the New Testament.
   (a) The Historical Books.
   (b) The Pauline Epistles.
   (c) The Epistle to the Hebrews.
   (d) The Catholic Epistles.

OLD TESTAMENT EXEGESIS

1. Hebrew, the language of the Old Testament.
2. Other Semitic Languages.
3. The History of the Hebrews.
4. The Religion of the Hebrews.
5. Exegetical and critical study of select portions of the Old Testament.

PRACTICAL THEOLOGY

1. The Organization and Administration of the Local Church.
2. Religious Education.
3. Evangelism.
4. Missions.
5. Christian Sociology.

SACRED RHETORIC

1. The History of Preaching.
2. Sermon Analysis and Construction.
3. The Masters of Modern English Prose and Poetry.
4. Argumentation and Debate.
5. Psychology and Logic.

General Statements

CONDITIONS OF ADMISSION

Those who enter should have a thorough preparation. This can be obtained to advantage in the College of Liberal Arts. Graduates of approved colleges are admitted to the Degree Courses upon presentation of diplomas. Students not graduates of colleges are admitted by examination in classical and literary subjects. Applicants for admission to Diploma Courses must present certificates from approved high schools or academies, or pass an examination in the studies prescribed by the Bishops of the Methodist Episcopal Church for admission to an annual conference.

Applicants not licensed to preach are received on the recommendation of their respective quarterly conferences, or temporarily, on a note from their pastors, promising the recommendation in due time. The form of recommendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

We, the members of the Quarterly Conference of ..... hereby express our judgment that ..... is called of God to the work of the ministry, and we recommend him to the care and instruction of Garrett Biblical Institute.

Applicants from other churches are admitted on such certificates as are usually given by the denominations to which they belong. Students from other theological seminaries may be admitted on presenting satisfactory testimonials of equivalent work and honorable dismissal.

METHODS OF INSTRUCTION

The methods of instruction include recitations, lectures, and free discussion.

Public lectures and addresses, covering all the topics that relate to the work of Christian scholars and pastors, are given from time to time by distinguished persons before the Faculty and students.

College graduates enjoy exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to make special investigation, and they receive from their professors continued personal attention in their chosen line of study.

STUDENT SOCIETIES

During the year 1898, a Young Men's Christian Association affiliated with the World's Christian Student Federation was organized. The Literary Department aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking. The Missionary Department furnishes information on Home and Foreign Missions, and keeps alive the missionary spirit among the students by weekly meetings and by occasional public meetings and lectures.

BUILDINGS AND EQUIPMENT

Libraries—The number of volumes in the Institute and University Libraries is about one hundred thousand. Reading-rooms are connected with both libraries, and are supplied with the important dailies, weeklies, monthlies, and quarterlies, in general and theological literature.

Memorial Hall—Memorial Hall contains a large chapel, a library and reading-room, six lecture-rooms, with private rooms for professors, and a fire-proof addition for library and museum purposes.

Heck Hall—In Heck Hall, the dormitory, the rooms are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables bookcases, bureaus stands, chairs, bedsteads, and mattresses. Students supply the other furnishings.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships—The Faculty has recommended to the Trustees the founding of a Fellowship for post graduate study abroad or at home. The Fellowship is to be awarded to those graduates of future classes who excel sufficiently in ability and attainments to warrant the devotion of their lives to special studies in Theology. The amount of the Fellowship will be $500.

The Wetherell Scholarship, the gift of Mr. S. N. Wetherell, of Crown Point, Indiana, yielding an income of about $50.00 a year, is awarded annually to a student recommended by the Faculty.

The Luke Hitchcock Scholarship was provided by Mrs. E. Crane Wilson, Mrs. Charles H. Fowler, and Mrs. Archer Brown, as a memorial to their father, the Rev. Luke Hitchcock, for many years a trustee of Garrett Bibli-

cal Institute. The annual income of $100.00 may be awarded by the President of the Institute to a student who is working in one of the City Missions in Chicago.

Several other scholarships are at the disposal of the President. Information concerning these will be furnished upon request.

EXPENSES

Young men who have learned to earn and save money often work their way unaided through college and the theological school. The means for self-help in and around Evanston are excellent, and many earnest and persevering students, with tact and helpfulness, find, and even create, opportunities. Some ninety or a hundred appointments for preaching have been made available to competent preachers among the students. Circumstances require that promises of aid shall be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties and its aim is to aid them in every useful way. The Board of Education of the Methodist Episcopal Church renders efficient help by loans. The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

Tuition and rooms are free to regular theological students. Each student occupying a room in Heck Hall is charged an incidental fee of twenty-six dollars a year, payable half-yearly in advance, for curator's service, fuel, electric light, and general repairs. Other students pay, half-yearly in advance, a fee of six dollars a year.

For further information regarding Garrett Biblical Institute, address the Registrar, Memorial Hall, Evanston, Illinois.

Norwegian-Danish Theological Seminary

Nels Edward Simonsen, A.M., D.D.
Professor of History and of the Norwegian-Danish Language; President

John Oscar Hall, A.M.
Professor of Theology and Oratory; Dean

Tobias Foss, A.M.
Professor of Psychology and Social Philosophy; Registrar

The Norwegian-Danish Theological Seminary, established in 1870 and chartered in 1875, aims to prepare men for the ministry among the Norwegian and Danish people in this country. The Seminary building, erected in 1887, is situated at Sherman Avenue and University Place, and contains class rooms, offices, dormitory, and a dining hall.

Students are received on the recommendation of their Quarterly Conferences. For admission to regular standing a four year high school course or its equivalent is required. Those who lack this may complete their preparation in a course provided for them.

Students in the Seminary are admitted to all classes in Garrett Biblical Institute, and to classes of the College of Liberal Arts for which they have proper preparation. Students may take College courses amounting to five semester hours without paying tuition fees. Free access is given to all Evanston libraries.

The Seminary offers three distinct courses of study with liberal opportunities in elective work: (1) *The Hebrew Course*, studying all the books of the Bible in the original tongues; (2) *The Greek Course*, studying the New Testament in the original tongue, the Old Testament in English; (3) *The Norwegian-English Course*, requiring only Norwegian and English for the completion of the course.

For further information address the President, Norwegian-Danish Theological Seminary, Evanston, Illinois.

Swedish Theological Seminary

Carl Gideon Wallenius
Instructor in Systematic Theology, Church History, Pastoral Theology, and Psychology
President

John Emanuel Hillberg
Instructor in Swedish Grammar and Literature, General History and Geography, and History of Religion

Frank Anthony Lundberg, A.M., M.D.
Instructor in English and Natural Science

The Swedish Theological Seminary began its work in 1870 at Galesburg, Illinois. In 1881 it was moved to its present permanent home in Evanston. It is now established in a substantial and commodious building on its own campus fronting on Orrington Avenue. Its students are admitted to all the advantages of the departments of the University. It is under the supervision of the five Swedish Conferences in the United States of the Methodist Episcopal Church, and is the only school of its kind in that Church.

It was called into existence to meet the urgent and increasing demand for educated pastors and missionaries among the Swedish people in the United States, and is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the country. The aim of the School is to do practical work in helping young men toward success in the ministry.

The continued demand for preachers among the Swedish people in this country makes it an imperative duty for the Church to maintain a special institution of learning, where suitable men can be educated for the Swedish ministry, both for the regular pastorate and as missionaries to the multitude of Swedes scattered all over the country.

Students are received on the recommendation of their Quarterly Conferences.

The regular course of study in the Seminary is broad and practical and requires four years. Progress in studies is determined by examination, written and oral. On the satisfactory completion of the full course of study, students receive the Seminary diploma. There is no tuition fee.

For further information address the President, Swedish Theological Seminary, Evanston, Illinois.

Prizes and Honors 1909-1910

University

Gage Prize—for excellence in debate: James Thomas Haviland, Ira Edward Westbrook, Abraham James Hennings, George William Erb, Hugh Parker Green, Eugene Julius Bamberger.

Kirk Prize—for excellence in oratory: Glenn Newton Merry; honorable mention, Jay LeRoy Chesnutt, Leo Ranney, Herbert Urban Smith.

College of Liberal Arts

Sargent Prize—for excellence in declamation: Glenn Newton Merry, Sarah Shirley Smith.

Harris Prize—in Political and Social Science: John Frederick Strombeck.

Orrington Lunt Prize—for essay writing: Paul Nuzum Grubb.

Medical School

INTERNES CHOSEN FROM THE CLASS OF 1910

Cook County Hospital—George Leonard Apfelbach, Knut David Holmgren, Carl Wesley Maynard, Charles William Henney, Jesse Samuel Lancaster, Charles Nelson Johnson, Karl Avery Snyder, Edward Benjamin Jacobs, Frank Joseph Jirka, William Henry Holmes.

Mercy Hospital—Walter Teed Bronson, Lawrence Jacob Quilin, Leo Albert Goodman, Walter Louis Migely, LeRoy Elbert Angel, Hugh Pierce Barton, Edward Newman Roberts.

Wesley Hospital—James Lyons Sparling, Christian David Hauch, Clyde Ernest Stackhouse, John Carroll Hall, Jr.

Michael Reese Hospital—Edward Kent Armstrong, Cecil Emerson Johnson, Thomas Francis Finegan, Jr., Leo Anthony Juhnke, John Hull Hostetter.

St. Luke's Hospital—James Joseph McKinley, William Atwood Mowry, Oscar Frederick Eastman, Wilbur Edwin Coulter.

Provident Hospital—Milton Arthur Nix, Waldo Clay Farnham, Henry Clay Bryant.

Chicago Lying-in Hospital—Herbert Willis Strass, Corna L. Bennett, Paul Richard Hankee, Earle Francis Ristine.

Englewood Hospital—Ira Edward Greenburg.

German Hospital—Frank Haegeli.

Ravenswood Hospital—Chester Arthur Conyers.

Augustana Hospital—James Andres Johnson.

Passavant Hospital—Ralph Carlton Holgate.

Chicago Policlinic and Henrotin Memorial Hospital—James Henry Robinson, William Henry Redmond.

North Chicago Hospital—Louis M. Myers.

St. Anthony's Hospital—William Edward Donahue.

St. Elizabeth's Hospital—Leslie Burrutt Joslyn.

Post-Graduate Hospital—Thomas James Dorsey.

Washington Park Hospital—Thomas T. Matlock.

St. Mary's Hospital, Milwaukee, Wisconsin—Herbert Willis Strass.

Milwaukee Hospital, Milwaukee, Wisconsin—Joseph Anton Mudroch, Arthur John Knauf, Walter Alfred Matthey.

Bethesda Hospital, St. Paul, Minnesota—Adolph Dahl Tollefsen, Olaf Refsdahl, Axel Sverre Nelson.

City and County Hospital, St. Paul, Minnesota—Carl Clayton Chatterton.

St. Luke's Hospital, St. Paul, Minnesota—Henry Jacob Friesen.

Swedish Hospital, Minneapolis, Minnesota—Stanley Vincent Hodge, Henry Julius Shelver, Earl Elliott Cress.

Mound Park Sanitarium, St. Paul, Minnesota—Leslie John Stauffer.

St. Joseph's Hospital, St. Paul, Minnesota—John Langland Lundby.

City Hospital, Rockford, Illinois—Joseph Peter McManus.

St. Elizabeth's Hospital, Danville, Illinois—Samuel T. Miller.

Silver Cross Hospital, Joliet, Illinois—William Carroll Lindsay.

Oak Park Hospital, Oak Park, Illinois—Eliphalet Thierer Patee.

St. Margaret's Hospital, Hammond, Indiana—Jacob Rodge, Milo Herman Culbert.

Corporation Hospital, Hammond, Indiana—Abraham Chester Green.

Gary Hospital, Gary, Indiana—Wishard Speer Lorimer.

St. Mary's Hospital, Duluth, Minnesota—John Emmett Rheim, Adam George Pfeiler, Jr.

Mercy Hospital, Council Bluffs, Iowa—Thomas Henry Donlon.

Samaritan Hospital, Sioux City, Iowa—Charles Garnet Trimble.

St. Joseph's Hospital, St. Joseph, Missouri—William Augustus Seymour.

General Hospital, Kansas City, Missouri—George William Brock.

St. Francis Hospital, Wichita, Kansas—Newton Edward Wayson.

Freedman's Hospital, Washington, D. C.—George Sheppard Moore.

Grove's Latter-Day Saints' Hospital, Salt Lake City, Utah—Edwin Frank Chamberlain.

Pittsburgh Hospital, Pittsburgh, Pennsylvania—Frank Noble Davenport.

St. Anthony's Hospital, Denver, Colorado—Ezekiel Ricker Dumke.

County Hospital, Sacramento, California—Louis Eugene Hartrick, John James Burke.

Hackley Hospital, Muskegon, Michigan—Robert Ira Bussard.

Assistant Chief Surgeon's Office, Chicago & Northwestern Railway, Chicago—James St. Clair Vance.

Law School

The Callaghan Prize—for the best scholarship throughout the course: Oscar David Stern.

Henry Sargent Towle Prizes: Hugh Parker Green, Glesner Fowler.

McChesney Prizes: not awarded.

Follansbee Prize: not awarded.

Hyde Prize: not awarded.

Roscoe Pound Prize: Oscar David Stern.

School of Commerce

The Joseph Schaffner Prize—for highest scholarship in three or more courses: Divided between Joseph Henry Gilby and Fred Norman Vanderwalker.

The Illinois Society of Certified Public Accountants Prize: Samuel Lazarus Gunther.

The work of the following students, registered for three or more courses in the School of Commerce in 1909-1910 was marked by distinguished excellence: Charles Martin Burlingame, C. P. A., Harold Mann Dudley, Joseph Henry Gilby, Samuel Lazarus Gunther, Joseph Sebastian Kelly, William Herbert Maddock, Walter George Mitchell, Alexander W.T. Ogilvie, Walter Holton Price, Fred Norman Vanderwalker.

Phi Beta Kappa

MEMBERS INITIATED JUNE, 1910

Peter Christian Lutkin
Charles Henry Woolbert, 1900

Alvin Percy Bradley
Faith Chamberlain
Laura Ethel Christman
Mervyna Barbara Dolsen
Melissa Elmore Foster
Cornelius Gouwens
Edwin Frederick Hirsch
Roy Charles Jacobson
Blaine Kirkpatrick
Rose Kollman
Ella Wilhelmina Kracke
John Wesley Merritt
Walter Herman Nadler
Julia Ellen Norton
Hortense Evelyn Pennington
Edwina Lydia Pope
Elizabeth Porter
Florence Schryver
Vera Sjöström
Keith Kuenzi Smith
William Anson Spencer
Bertha Hartwell Stewart
Esther Catherine Wheeler
Claudine Margaret Wilkinson
Arthur Williams

Sigma Xi

MEMBERS ELECTED, 1910

William Charles Bauer
George Oliver Curme, Jr.
Laura Ethel Christman
Milton Walker Eddy
Philip Fox
Cornelius Gouwens
Murray Arnold Hines
Edwin Frederick Hirsch.
Raymond Royce Hitchcock
George Jacob Hough
Ella Wilhelmina Kracke
John Wesley Merritt
Robert Lee Moore
John Hiram Norris
Leslie Hall Redelings
Eli Victor Smith
Keith Kuenzi Smith
Lewis Hart Weld

Alpha Omega Alpha

MEMBERS ELECTED, 1910

Frederick Harvey Bly
Martin Rist Chase
William Harley Glafke
William Alfred James
Clyde Tennyson Smith

Order of the Coif

MEMBERS ELECTED, 1910

Harry McClure Johnson
Ernest Palmer
Mont Griffith Lockhart
Edward Leslie Spaulding
Oscar David Stern
Charles Alonzo Treadwell
Walter Bertram Wolf

Alumni Associations

College of Liberal Arts

Carleton H. Pendleton, President
1735 Orrington Avenue, Evanston

Edward B. Witwer, Vice-President
333 South Seeley Avenue, Chicago

John C. Burg, Recording Secretary
87 Lake Street, Chicago

Clarence J. Luther, Corresponding Secretary
1317 Elmwood Avenue, Evanston

Dr. M. C. Bragdon, Treasurer
1709 Chicago Avenue, Evanston

DIRECTORS

Term Expires 1911

Frank E. Lord
John A. Bellows
Edward B. Witwer
Carleton H. Pendleton

Term Expires 1912

William A. Burch
Arthur B. Fleager
Charles W. Spofford
John C. Burg

Term Expires 1913

James F. Oates
John L. Alabaster
Frank M. Elliot
Glenn N. Merry

The Medical School

Dr. Wilfred D. Robbins, President
Chicago Heights, Illinois

Dr. Walter H. Buhlig, First Vice-President
5533 Union Avenue, Chicago

Dr. Carl W. Maynard, Second Vice-President
Cook County Hospital, Chicago

Dr. Otis H. Maclay, Secretary
34 Washington Street, Chicago

Dr. William A. Mann, Treasurer
100 State Street, Chicago

Dr. Arthur B. Eustace, Necrologist
103 State Street, Chicago

Law School

James J. Herrick, President
1800 Commercial National Bank Building, Chicago

Hon. Oliver H. Horton, First Vice-President
1604 Corn Exchange Bank Building, Chicago

Clair E. More, Second Vice-President
518 Home Insurance Building, Chicago

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1231 Lunt Avenue, Chicago

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1424 West Adams Street, Chicago

Samuel E. Knecht, Treasurer
650 Arlington Place, Chicago

School of Pharmacy

William Krizan, President
5501 Halsted Street, Chicago

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TRUSTEES

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Dr. John J. Gill

Dental School

Dr. James P. Smith, President
357 West 63rd Street, Chicago

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209 State Street, Chicago

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4301 Ellis Avenue, Chicago

EXECUTIVE COMMITTEE

Dr. Charles A. Young
Dr. John A. Dinwiddie
Dr. Arthur D. Black

Woman's Medical School

Dr. Eliza H. Root, President
1414 West Monroe Street, Chicago

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Dr. Nora S. Davenport, Second Vice-President
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TRUSTEES

Dr. Rachel H. Carr
Dr. Rose Willard
Dr. Louise Acres

School of Oratory

Agness Law, President
628 Foster Street, Evanston

Ralph B. Dennis, First Vice-President
Sioux Falls, South Dakota

Paul M. Pearson, Second Vice-President
Swarthmore Pennsylvania

James L. Lardner, Secretary and Treasurer
720 Clark Street, Evanston

Josephine F. McGarry, Annalist
5452 Magnolia Avenue, Chicago

Northwestern Club of New York

Rev. Arlo A. Brown, President
1816 Anthony Avenue, New York

Mrs. Martha Foote Crow, Vice-President
112 East 17th Street, New York

John Q. Adams, Secretary
Room 21 City Hall, New York
Charles W. Lucas, Treasurer

Northwestern Club of Washington, D. C.

Isaac R. Hitt, Jr., President
1334 Columbus Road, Washington,
Harrison E. Patten, Secretary and Treasurer
1342 Girard Street, Washington

St. Louis Alumni Association of Northwestern University

Stephen P. Hart, President
46 South Jefferson Barracks Road, Webster Groves
Dr. John J. Link, Secretary and Treasurer
Metropolitan Building, St. Louis

Northwestern Club of the Missouri Valley

Dr. Arthur E. Hertzler, President
402 Argyle Building, Kansas City
Dr. Avis E. Smith, Vice-President
Journal Building, Kansas City
Dr. Elmer D. Twyman, Secretary and Treasurer
Independence, Kansas

EXECUTIVE COMMITTEE

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Dr. Maggie L. McCrea
Dr. Claudius B. Spencer

Northwestern Club of Oklahoma

Dr. Arthur A. West, President
Guthrie
Dr. Abraham L. Blesh, Vice-President
Oklahoma City
Rev. James R. Hamilton, Secretary and Treasurer
1615 Ellison Avenue, Oklahoma City

Nebraska Alumni Association

Francis A. Alabaster, President
University Place

Dr. J. Stanley Welch, Secretary
Funk Building, Lincoln

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Clifton D. B. V. Royal, President
1723 Oakland Avenue, Des Moines

Mrs. F. E. V. Shore, Vice-President
Des Moines

Allen F. Rader, Secretary
644 36th Street, Des Moines

Mrs. I. R. Campbell, Treasurer
304 West 29th Street, Des Moines

Northwestern University Medical School Alumni Association of Iowa

Dr. H. H. Clark, President
McGregor, Iowa

Dr. Guy T. McCauliff, Secretary and Treasurer
Webster City, Iowa

Kansas Alumni Association of Northwestern University Dental School

Dr. Francis B. Ingersoll, President
Greensburg

Dr. Clarence K. Weaver, Secretary
Clay Center

Dr. Howard B. Saunders, Treasurer
Nortonville

Northwestern University Alumni Association of Salt Lake City

Rev. Elmer I. Goshen, President
University Club, Salt Lake City

Otto R. Peters, Secretary
124 "W" Street, Salt Lake City

Northwestern University Alumni Association of Southern California

Dr. Milbank Johnson, President
815 Wright and Callender Building, Los Angeles

Dr. Norman Bridge, Vice-President
100 Grand Avenue, Pasadena

Rev. Robert J. Coyne, Secretary and Treasurer
120 South Dittman Street, Los Angeles

Northwestern University Alumni Association for California

Arthur H. Briggs, President
R. F. D. 29, Los Gatos

Albert G. Morse, Vice-President
336 Fall Street, San Francisco

Dr. Henry B. Carey, Secretary
1288 Ninth Avenue, San Francisco

Dr. George A. Wood, Treasurer
Butler Building, San Francisco

Northwestern Club of Spokane

D. W. Hurn, President
Spokane

Dr. John G. Byrne, Vice-President
Old National Building

Miss Alice Hurn, Secretary
1228 11th Avenue

Dr. George R. Heap, Treasurer
204 Jamison Building

Northwestern Club of Seattle, Washington

Dr. Warren D. Lane, President
711 White Building

Dr. William B. Power, First Vice-President
1154 Empire Building

Dr. John C. Sundberg, Second Vice-President
311 Eitel Building

Eugene W. Bell, Secretary and Treasurer
740 New York Block

Wisconsin Alumni Association

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603 Prospect Avenue, Milwaukee

Dr. L. A. Fuerstenau, Vice-President
Milwaukee Hospital, Milwaukee

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Northwestern Mutual Life Insurance Company, Milwaukee

J. Milton Johnston, Treasurer
228 Franklin Street, Portage

Michigan Alumni Association of Northwestern University

Dr. Charles E. Boys, President
Kalamazoo

Dr. George H. Sherman, Vice-President
419 St. Aubin Street, Detroit

Dr. Ralph E. Balch, Secretary and Treasurer
Kalamazoo

Dr. Samuel Schultz, Historian
Coldwater

University Societies

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Walter Tallmadge Ward, President
Elmer Hayward Jennings, Vice-President
Jesse William Bunch, Secretary
Leo Ranney, Treasurer
Horace Greeley Smith, A.B., General Secretary

Y. W. C. A.—College of Liberal Arts

Marcia Johnson, President
Helen Schell, Vice-President
Olga Elizabeth Seewald, Secretary
Pearl Beatrice Hood, Treasurer
Elizabeth Freeman Fox, A.B., General Secretary

Y. M. C. A.—Medical School

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William D. Flack, Department Secretary

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Roscoe Martin Sheetz, Vice-President
Lucius Clark Hollister, A.B., General Secretary

Chicago Astronomical Society

Elias Colbert, A.M., President
Abram Winegardner Harris, Sc.D., LL.D., Vice-President
Charles H. Taylor, Secretary
James Bartlett Hobbs, Treasurer

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C. H. S. Mixer
W. W. Farnum
James Bartlett Hobbs
Elias Colbert
Henry C. Ranney

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J. S. Pierronet
Charles H. Taylor
Abram W. Harris
Henry Crew
E. W. Blatchford
C. F. W. Junge
Philip Fox
Thomas F. Holgate

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William A. Vawter, President
Charles M. Stuart, First Vice-President
Henry B. Favill, Second Vice-President
Homer F. Horton, Financial Secretary
Norman W. Harris, Treasurer
Harriet E. Vittum, Head Resident

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Mrs. Charles B. Congdon, First Vice-President
Mrs. John C. Spry, Second Vice-President
Mrs. William F. McDowell, Third Vice-President
Mrs. Perkins B. Bass, Recording Secretary
Mrs. J. M. Glenn, Corresponding Secretary
Miss Mary Harris, Treasurer

Phi Beta Kappa

George Peck Merrick, 1884, President
James Alton James, Vice-President
Minnie Ruth Terry, 1891, Corresponding Secretary
Elizabeth Bragdon, 1900, Recording Secretary
Carleton Henry Pendleton, 1898, Treasurer

Sigma Xi

Dr. Winfield Scott Hall, 1887, President
Ulysses Sherman Grant, Vice-President
Olin Hanson Basquin, 1895, Corresponding Secretary
George Rogers Mansfield, Recording Secretary
Murray Arnold Hines, Treasurer

Alpha Omega Alpha

Dr. Winfield Scott Hall, 1888, Primarius
Dr. Charles Louis Mix, Counselor
Dr. Clifford Grosselle Grulee, 1903, Alumni Chairman
Dr. Luther James Osgood, 1903, Secretary and Treasurer

Science Club

Walter Dill Scott, 1895, President
James Caddell Morehead, Vice-President
William Hawes Coghill, Secretary and Treasurer

Chicago North Shore Festival Association

OFFICERS

William F. Hypes, President
Chancellor L. Jenks, Vice-President
Frank S. Shaw, Vice-President
Walter B. Smith, Secretary
John Hale Hilton, Treasurer,
Peter Christian Lutkin, Musical Director
Carl D. Kinsey, Business Manager

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D. H. Burnham
L. H. Hanawalt
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Henry S. Henschen
Alexander O. Mason
C. W. Spofford
Frederick P. Vose
H. B. Wyeth

Register of Students

College of Liberal Arts

1910-11

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

RESIDENT GRADUATE STUDENTS

Winslow, Charles Spaulding.....Chicago
A.B. Northwestern University, 1898; A.M. 1899

CANDIDATES FOR A BACHELOR'S DEGREE

Blackall, Dorothy Marie.....Chicago
Chapman, Catherine Gladys .....Chicago
Geraghty, Richard Stanley.....Berwyn
Glover, Mary Staunton..Crawfordsville, Ind.
Goodsmith, Howard Moulding.....Chicago
Jones, Arthur Ernest.....Pittsfield, N. H.
Kraus, George Henry.....Chicago
Kresl, Carl.....Chicago
Layton, Warren Kenneth.....Potomac
Murdock, Winifred.....Chicago
Nye, Frank Thomas.....Essex, Iowa
Olson, Margretta Cathrine .....Knapp, Wis.
Reed, Chauncey William.....West Chicago
Reynolds, Robert LeRoy .....Harlan, Iowa
Ross, Lillian Adelaide.....Whitehall
Ryan, Charles S.....Albert Lea, Minn.
Schnable, George LeRoy.....Chicago
Soule, Madeleine.....San Bernardino, Cal.
Squiers, John Mattison.....Evanston
Stephens, James Colclazier... Madison, Wis.
Swift, George Hamilton.....Baltimore, Md.
Topliff, Rosalie.....Evanston
Vernon, Eleanor Eugenia..... Chicago
Wilson, Harriet Lincoln.....DeKalb

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE AND STUDENTS WITH EXCESSIVE ENTRANCE CONDITIONS

Ackerburg, Harry Albert..... Chicago
Barker, Elizabeth Groat..... Frankfort
Dedolph, Glenn Ernest..... Marion, Wis.
Goessele, Ruth Joyce..... Chicago
Hairgrove, Edward Newton .....Virden
Pierce, Cornelia Washburn.....Evanston
Price, Ernest Edwin.....Chicago
Saucerman, Ruth.....Rock Grove
Schuster, Rudolph Samuel.....Chicago

STUDENTS IN SUMMER SCHOOL NOT INCLUDED IN LIST OF COLLEGE STUDENTS, 1910

Bott, Alice King.....Evanston
Boyd, Bertha B.....Chicago
Braidwood, Jeanie Belle.....Chicago
Clayton, Allen Benjamin .....Evanston
Daly, Minnie E.....Chicago
Dillon, Bessie O.....Chicago
Doktorsky, Philip.....Chicago
Gamble, Merritt C.....Evanston
Gethmann, Ella Helen.....Reinbeck, Iowa
Gillet, Marjorie.....Evanston
Griffin, Florence A.....Roscoe
Haven, E. O..... Lake Forest
Hicks, Walter S.....Chicago
Hilton, Charles Ordway.....Evanston
Hirschel, H. G.....Chicago
Hunt, Mabel C.....Chicago
Hunt, M. Frances.....Chicago
Huth, Nydia.....Chicago
Judd, Caroline Lucy.....Chicago
Lotze, Hazel Catherine.....Vermilion, S. D.
McCrea, Marion.....Chicago
Mulfinger, C. W.....Chicago

Nelson, Erwin P.....Albert Lea, Minn.
Olsen, Olefine G. L.....Chicago
Schreiber, Clara E.....Chicago
Shotwell, Ida Mae.....Evanston
Skelly, Mary E.....Chicago
Stearns, Albert Thomas 2nd.....Boston
Stults, Walter Allen.....Evanston
Swindell, Alice Blanche.....Lebanon, Mo.
Thompson, Madge J.....Chicago
Watson, Charles Hamilton.....Monon, Ind.
Wood, Elizabeth.....Charlotte, Mich..

FELLOWS

Field, Faith Winifred, Botany.....Springfield, Mo
B.S. Drury College 1909; A.M. 1910
Gethmann, Walter Wesley, Philosophy.....Reinbeck, Iowa
A.B. Charles City College 1906; A.M. Northwestern University 1910
Sjöström, Vera, Romance Languages.....Sundwall, Sweden
A.B. Northwestern University 1910
Smith, Eli Victor, Zoology.....Evanston
Ph.B. Illinois Wesleyan University 1907; A.M. University of Washington 1909
Staples, Harry Nelson, Chemistry.....Sioux City, Iowa
A.B. Morningside College 1907
Stockley, Florence Alberta, Greek.....Evanston
A.B. Northwestern University 1906
Townsend, Lowell Leslie, English Literature.....Pennington, Ind.
A.B. Northwestern University 1909; A.M. 1910.
Troxell, Edward Leffingwell, Geology.....Payson, Utah
A.B. Northwestern University 1908
Williams, Arthur, Latin.....Evanston
A.B. Northwestern University 1910

GRADUATE SCHOLARS

Baker, Clara Belle, English Language.....Evanston
A.B. Northwestern University 1909
Hokaasen, Otto Theodore, History.....Decorah, Iowa
A.B. Luther College 1909
Hudson, Harris Gary, Greek.....Decatur
A.B. James Millikin University 1909
Munakata, Hachro, Economics.....Japan
A.B. Simpson College 1910
Stueckemann, Luella Cornelia, English Literature ..... Warrenton, Mo.
A.B. Central Wesleyan College 1906
West, Louis Caulton, History.....Cleveland, Ohio
B.S. Northwestern University 1905
Jacobson, Roy Charles, Northwestern University Settlement Fellow.....Geneseo
B.S. Northwestern University, 1910

RESIDENT GRADUATE STUDENTS

Abbott, Elsie Bourland.....Evanston
B.L. Smith College 1895
Arthur, William Reed, Law.....Topeka, Kan.
A.B. Washburn College 1899
Baker, Louis, Scandinavian.....Appleton, Wis
A.B. Lawrence University 1906; A.M. Northwestern University 1908
Bennett, Eralza Allen, History.....Evanston
Ph.B. Morningside College 1907
Boot, Estelle Hallem Bennett, Celtic.....Evanston
B.L. University of South Dakota 1896

Boren, John William, Chemistry (Medical School).....Marinette, Wis.
B.S. Northwestern University 1909
Bradley, Alvin Percy.....Evanston
B.S. Northwestern University 1910
Brown, Josephine Charlotte, English Language.....Niles Center
A.B. Northwestern University 1907
Buckborough, Siegel A., Chemistry.....Evanston
A.B. Harvard University 1903
Burg, John Charles.....Evanston
B.S. Northwestern University 1909
Cady, Gilbert Haven, Geology.....Winfield, Kan.
A.B. Northwestern University 1905
Cannon, Lucile Follett, Greek.....Oak Park
A.B. Northwestern University 1906
Christman, Laura Ethel.....Evanston
B.S. Northwestern University 1910
Cissna, William Everett, Philosophy.....Dolton Station
B.L. Moores Hill College 1910
Daschler, Albert Frederick, Hebrew.....Staples, Minn.
A.B. Central Wesleyan College 1909
Dildine, Harry Glenn, History.....Ionia, Mich.
A.B. Northwestern University 1903
Duncan, Kenneth, History.....Kenilworth
A.B. Wabash College 1910
Ehmen, Emil Sebo, History.....Melvin
A.B. Northwestern University 1910
Ellis, Arthur Jackson, Geology.....Evanston
A.B. University of Illinois 1908
Ellis, Cora Belle.....La Grange
A.B. Northwestern University 1906
Foss, Tobias, Philosophy.....Evanston
Ph.B. Royal Frederick University, Norway, 1901; A.M. Northwestern University 1909.
Furrey, George Washington, Physics.....Evanston
Ph.B. University of Michigan 1899
Gethmann, Charles Wesley, Semitic Languages.....Oklahoma City, Okla.
A.B. Charles City College 1907; B.D. Garrett Biblical Institute 1910
Gibson, Earl Stewart.....Evanston
A.B. Northwestern University 1909
Gibson, Willis Stanley, Anatomy.....Chicago
A.B. DePauw University 1907
Greenley, Parris C., Theology.....Houston, Del.
B.D. Drew Theological Seminary 1907; A.B. Hamline University 1909
Hake, Joseph William, Physics.....Hoyleston
B.S. Central Wesleyan University 1907; A.B. University of Illinois 1909
Harris, Hugh Henry, Education and Psychology.....Evanston
B.S. Northwestern University 1904; A.M. 1908
Henke, Arthur William, Philosophy.....Charles City, Ia.
A.B. Charles City College 1904
Hoffman, Richard Yates, Law.....Chicago
B.S. Hobart College 1907
Hogue, Clara Mabel, English Literature.....Evanston
Ph.B. Greenville College 1904; A.M. Northwestern University 1910
Holland, Robert T., Philosophy.....Scottsville, Ky.
A.B. Southern Normal School 1899; S.T.B. Grant University 1903

Holmes, Merrill Jacob.....Indianola, Iowa
A.B. Simpson College, 1908
James, Helen Dickson.....Urbana
A.B. University of Illinois 1910
Kirkpatrick, Blaine Evron.....Raub, Ind.
A.B. Northwestern University 1910
Lawson, Peter Jacob, Philosophy.....Lyons, Neb.
A.B. Nebraska Wesleyan University 1899
Lease, William Henry.....Evanston
A.B. Morningside College 1907
Leonard, Walter Anderson.....Evanston
A.B. Nebraska State University, 1903
Little, Edith Regina, Romance Languages.....Evanston
A.B. Wells College 1907
Little, Helen Marina, Romance Languages.....Evanston
A.B. Woman's College 1899
Lowry, Charles Doak, Education.....Chicago
B.S. Northwestern University 1908
McClure, Charles Sherman, Biblical Literature.....South Whitley, Ind.
A.B. Northwestern University 1909
Mauller, Charles Theodore, Economics.....Des Moines, Ia.
A.B. Cornell College 1909
Norton, Louise Werneburg, English Language.....Evanston
A.B. Northwestern University 1906
Patterson, Evelyn Macfarlane.....Evanston
A.B. Bryn Mawr College 1904
Payer, Josephine.....La Grange
B.S. Northwestern University 1908
Penfield, Effie Mildred, Botany.....Perrington, Mich.
A.B. University of Michigan 1910
Pider, Myrtle Zoa, Philosophy.....Mankato, Kan.
A.B. Northwestern University 1910
Pool, Clarence Gilbert, Neurology.....Amboy
B.S. University of Chicago 1908
Pooley, Eleanor Gertrude, History.....Evanston
B.S. Northwestern University 1910
Reardon, Neal Daniel, Law.....Chicago
A.B. University of Illinois 1900
Roberts, Percy Vivian.....Joliet
A.B. Madras University, 1901
Rostock, Benjamin Franklin, Philosophy.....Evanston
A.B. Northwestern University 1910
Satterlee, Roscoe Earl, Law.....Mitchell, S. D.
Ph.B Dakota Wesleyan University 1907
Shearer, Hallie Irene, Botany.....Chicago
Ph.B. University of Rochester 1905
Smith, Emmett Wilbur.....Fort Sheridan
A.B. University of Minnesota 1904
Stanwood, Elizabeth, History..... Evanston
A.B. Vassar College, 1908
Tascher, John Ralph, Law.....Chicago
A.B. University of New Mexico 1908
Traxler, Bina Mae.....Evanston
A.B. Northwestern University 1907

Tyson, Anna May.....Chicago
A.B. Northwestern University 1903
Walker, John Daniel.....Chicago
A.B. University of Nebraska 1908
Walker, Marie Winchell, English Language.....Chicago
M.D. Hahnemann Medical College 1899
Warner, Glenn Yost, English Literature .....Wooster, Ohio
B.S. Ohio Wesleyan University 1900
Watson, Louis.....Audubon, Iowa
A.B. Simpson College 1908
Wendland, Charles John, Law.....Chicago
B.S. Northwestern University 1909
Wermuth, William Charles, History.....Chicago
B.S. Northwestern University 1909
Whitson, Thomas Merrick, Law.....Chicago
A.B. Northwestern University 1908
Wilson, Omar Janell, English Literature.....Cameron, Mo.
A.B. Missouri Wesleyan University 1909
Yeaton, Walter James, Geology.....Livingston, Mont.
A.B. University of Minnesota 1909

NON-RESIDENT GRADUATE STUDENTS

Derby, Horace Mann, History.....Sidell
A.B. Northwestern University 1904
Gough, Harry Bainbridge, English Language.....Greencastle, Ind.
A.B. Northwestern University 1900
Lewis, Chapman Simpson, English Language.....Kewanee
A.B. Northwestern University 1904
Paarlberg, Mary, German.....Oakglen
Ph.B. Northwestern University 1902

CANDIDATES FOR A DEGREE IN JUNE, 1911

Adams, Helen Elma.....Belvidere
Anderson, Merl Virginia....Preston, Minn.
Atwell, Ruth Sarah.....Evanston
Baker, Ruth.....Ridgeway, Ia.
Barlow, Mae Martha.....Galva
Barth, William Philip.....Rock Island
Beale, Robert Lee.....Tama, Ia.
Beall, Homer Honeywell.....Princeville
Beck, Marshal.....Huntington, Ind.
Bedker, Ebba Henrietta....Muskegon, Mich.
Berglund, Edward George.....Chicago
Botkin, Anna Mae.....New Point, Mo.
Bowlus, Claude Arch.....Greenville, Mich.
Brooke, Pauline Harriett.....Evanston
Brown, Robert Wesley..... Chicago
Burdette, James Calvin.....Danvers
Burnette, Marion Eulalie..Aberdeen, S. D.
Cady, Ruth ..... Earlville
Carey, Margaret Ann.....Monaca, Pa.
Carlson, Marie Ellen.....Lake Bluff
Cater, Margaret Grace.....Libertyville
Chamberlin, John Clair.....Panora, Ia.
Chambers, Raymond.....Evanston
Charles, Sherman Alexander.....Evanston
Christopher, Frederick.....Evanston
Clapp, Charles Russell.....Evanston
Coffman, Carl Flory.....Bridgewater, Va.
Cooke, Edith Whitcomb.....Chicago
Cool, Ryder Forrest.....Blue Island
Corbett, Maude Irene.....Princeville
Currier, Grace Mae.....Salix, Ia.
Dreher, Charles Edwin....Stroudsburg, Pa.
Erb, George William.....Chicago
Erwine, Samuel Dawson.....Saunemin
Esch, Irmgard Anna.....Chicago
Fabian, Margaret.....Evanston
Foster, Gertrude Alice.....Chicago
Fullerton, Almeda.....Ottawa
Gage, Harriet.....Evanston
Gates, Juliette.....Wilmette
Gilmore, Algernon Isaac.....Oneida, Kan.
Gloeckler, Mabel Margaret .....Evanston
Goddard, Lotus Lucille.....Evanston
Goodsmith, Winifred Pearl.....Chicago

Grove, Paul Luther.....Leipzig, N. D.
Hallwachs, John Fred.....Chicago
Halter, Albert Arthur.....Flucom, Mo.
Hanes, May.....Chicago
Hard, Ethel Vera.....Van Wert, Ohio
Harker, Ralph Wackerle.....Jacksonville
Harris, Sarah Bacon.....Evanston
Harris William Joseph.....Allentown, Mo.
Harvey, Margaret Isabelle.....Belvidere
Holton, Mary Ward.....Indianapolis, Ind.
Hood, Pearl Beatrice.....Elgin
Hopkins, Sadie May ..... Fennimore, Wis.
Howard, Bess Margaret.....Redfield, S. D.
Howell, Bertha Blanchard.....Evanston
Hyde, Minnie Isabella.....Beaver, Pa.
Johnson, Anna Johanna.....Chicago
Johnson, Douglas Montgomery.St.Louis, Mo.
Johnson, Gertrude Amelia.....Chicago
Johnson, Marcia.....Cornell
Jones, Charles Herbert.....Evanston
Jones, Rachel Bangs.....Evanston
Kahlo, Corinne.....Evanston
Kahn, Ida.....Nanchang, China
Kanno, Bun.....Sendai, Japan
Kindig, Avaline Hull.....Rochester, Ind.
King, Bertha Goodwin.....Rochelle
King, Ethel Veva.....Belvidere
Kline, Mabel Elizabeth.....Evanston
Knudsen, Amalie.....St. Charles
Kramer, Hilde Marie.....Chicago
Langdon, Seth Chapin.....Monticello
Layton, Warren Kenneth..... Potomac
Larson, Hulda Louise Margaret..LaGrange
Leigh, Maurice Chaffee.....Evanston
Lillygren, Victor Nels.....Mouson, Me.
Little, Aaron James.....Milwaukee, Wis.
Luke, Edna Gertrude.....Pontiac
Lynch, Josephine Florence.....Evanston
McGregor, Clara Grace.. Anaconda, Mont.
Manley, John Alfred.....Mt. Carmel
Mapes, Florence Adelle.....Duncombe, Ia.
Maris, Jeanne Marie..... Glascow, Mont.
Melick, Ada Marie.....Perry, Ia.
Moody, Edith Sarah.....Rochester, Ind.
Moore, Alice Lydia.....Grayslake
Moreland, Cornelia Beretta.....Chicago
Moulton, Everett Crockett..Ft. Smith, Ark.
Munyer, Abraham Elias.....Chicago
Newell, Florence Eleanor.....Monticello
Noyes, Ella Louise.....Mt. Sterling
Olson, Martha Geneva.....Winona, Minn
Pace, Charles Anderson.....Chicago
Persch, Adele Marie.....Chicago
Piper, Robert Gregory.....Berwyn
Plummer, Beulah Alexia.....Lowell, Ind.
Pritchard, Edith Mildred.....Geneseo
Pritchard, Fannie Isabelle.....Geneseo
Ranney, Leo.....New Hartford, Ia.
Roberts, Louise Antoinette.....Evanston
Robinson, Mark Morris.....Viola
Roosa, Omar Errol....Traverse City, Mich.
Schaeffer, William Hoyt.....Chicago
Schell, Helen Henrietta....Mt. Pleasant, Ia.
Schnable, George Le Roy .....Chicago
Scudder, Marie Graves.....Evanston
Seewald, Olga Elizabeth.....St. Louis, Mo.
Semans, Esther Littell.....Warsaw, Ind.
Shoop, William Marrs.....Peoria
Smith, Hassel Wendel.....E. St. Louis
Spencer, Helen Mitchell...Kansas City, Mo.
Spilman, Harold Augustus.....Ottumwa, Ia.
Stoekle, Erwin Rudolph.....Evanston
Strombeck, John Frederick.....Moline
Swanson, Oscar Emmanuel.....Evanston
Sweitzer, Harry Earle.....Plano
Thompson, David Grosh.....Evanston
Trabue, Marion Rex....Columbia City, Ind.
Turnbull, Florence.....Chicago
Uhl, Willis Lemon.....Angola, Ind.
Vanderblue, Homer Bews.....Chicago
Verbeck, Marjorie May.....Freeport
Vick, Lucie Marie.....Evanston
Vincent, Agnes Louise.....LaCrosse, Wis.
Walker, Virginia Zelteen....Waterloo, Ia.
Walpole, Elsie..... Storm Lake, Ia.
Walter, Althea Jeannette....Kingman, Kan.
Ward, Walter Talmage.....Onarga
Waring, Celia.....Kansas City, Mo.
Watson, James Thomas.....Wilmette
Wedell, Axel Leonard.....Chicago
Weir, Helen Irene.....Oswego
Werno, Irene Martha.....Chicago
Williams, John Junior.....Colfax
Williams, Percival Lloyd.....Racine, Wis.
Willott, Gertrude Edna.....Chicago
Wilson, Catherine Viola.....Evanston
Wilson, Harriet Lincoln.....DeKalb
Winyall, Catherine Evangeline Piedmont, S.D.
Wolf, Carl Nicholas.....Chicago
Wyne, Margaret Ruth.....Macomb
Young, Ina Electa.....Chicago

JUNIOR CLASS

Adams, Edna May.....Green Lake, Wis.
Ade, Ardis Esther.....Kentland, Ind.
Baertschy, Della.....Chicago
Bailey, Ruth P.....New Richmond, Ind.

Baker, Avis.....Cape Girardeau, Mo.
Baker, Bessie Louise.....Glencoe
Bannister, Ruth Delia... .....Evanston
Barnes, Alice May.....Evanston
Barnes, Flavel.....Pratt, Kan.
Beall, Florence Yolande..... Princeville
Benjamin, Chester Nelson....West Chicago
Bentley, Daisy.....Normal
Benton, Marjorie Stillwell.Indianapolis, Ind.
Blattner, Helen Harland.....Pasadena, Cal.
Boswell, Clarence Henry.....Rockford
Bothwell, Ada.....Clay City
Broad, Esther.....Buffalo, N. Y.
Broad, Hazel Ruby.....Evanston
Brown, Algy Glen.....Ava
Bryant, Mabel Captola.....LaCrosse, Wis.
Bullis, Carleton Henry.....Milwaukee, Wis.
Burkhardt, William Zahn.....Chicago
Cameron, James Roy.....Alexis
Camp, Cecil LeRoy.....Chicago
Cederholm, May Eva.....Chicago
Chesnutt, Jay Leroy.....Chicago
Cleworth, Beulah Rose..... Chicago
Corbett, Clifton Sherwin.....Edwardsville
Crampton, Ethel Maria.....Evanston
Curry, Anna Helen.....Oregon, Mo.
Dale, John Theodore.....Winnetka
DeBord, Bessie Myrtis.....Princeville
Dewhirst, Floyd Everett.....Noble
Dwinell, Merrill M.....Peoria
Ellis, Ada.....Atlanta
Erikson, Myrtle Millicent Crystal Falls,Mch.
Ferguson, Carrie Blanche.....Morris
Flack, Grace Lola.....Chicago
Fletcher, Abbott Lee.....Rantoul
Franks, Paul Raymond.....Garrett, Ind.
Frye, Mary Vance.....Capron
Gamble, Gula Elma.....Evanston
Gibson, Ralph Shaffer.....Evanston
Haist, Virginia Ethel.....Manton, Mich.
Hammer, Fern Waugh.....Evanston
Harper, Ethel Maud.....Laurium, Mich.
Harvey, Mary Gertrude....Spokane, Wash.
Haviland, James Thomas.....Aurora
Hawley, Lillian Emeline.....Huntley
Hiestand, Elizabeth.....Chicago
Hinds, Mildred Emma.....Mt. Morris
Hinds, Milford Everett.....Mt. Morris
Hobart, Marcus Hatfield.....Evanston
Holcomb, Anna Faye.....Hinsdale
Hoover, Albert Cyrus.....Genoa, Neb.
Hotchkiss, Mary Camilla.. Fox Lake, Wis.
Jennings, Elmer Hayward.....Sterling
Jewett, Hazel Templeton.....Evanston
Johnson, Mary Charlotte.....Chicago
Karst, Elsa Emelie.....Wilmette
Keating, Florence Alice.... La Crosse, Wis.
King, Loraine Trotwood.....Oregon, Mo.
Kramm, Evelyn.....Aledo
Lathrop, Georgia Louise .....Chicago
Leander, Eric Gabriel.....Macomb
Lison, Marguerite Marie.....Evanston
Loutham, Ethelyn..... Canton, Mo.
Lugg, Thomas Bransford.....Rossville
McCarty, Carolyn Young.....Tuscola
McClurg, Grace Katherine....Lima, Ohio
McGrew, Lois Axtell.....Chicago
McNeill, Malcolm Rivers.....Evanston
McNett, Blanche.....Chicago
Marsh, Jesse Irving.....Buckley
Matlack, Edith Lillian.....Galena
Mehl, Elsie May.....Ft. Wayne, Ind.
Merrill, Wallace Trescott.....Cabery
Mettler, Florence Eliza.....Tiskilwa
Moore, Aubrey Shannon.Hendrysburg, Ohio
Moore, Barbara Day.....Odanah, Wis.
Moore, Ruth Mary.....Grayslake
Morgan, Lucile..... Evanston
Movius, Walter Robert..Lidgerwood, N. D
Nash, Mabel Catherine.....Evanston
Nickerson, Rosemary.....Onarga
Obenchain, Ralph Riley.South Whitley,Ind.
O'Harra, Eda Laura.....Macomb
Patten, Helen Prindle.....Evanston
Penberthy, Vera Ethel.....Chicago
Penn, Inez.....Logansport, Ind.
Perkins, Marion Glidden.....Wilmette
Perry, Hazel Belle.....Dundee
Pifer, Harry Charles.....Lovington
Pope, Mary Howe.....Evanston
Pope, William Cooke.....Waukegan
Power, Caroline Marguerite....Enid, Okla.
Raeder, Marguerite.....Evanston
Reese, Ernest August.....Hubbard, Ia.
Richardson, Robert.....Evanston
Robertson, Janet Elizabeth.....Chicago
Rochfort, Theresa Vera.....Evanston
Ross, Lillian Adelaide..... White Hall
Ryan, Marie Lois.....Lockport
Samuelson, Verna Rosalind.....Elgin
Schee, Florence.....Indianola, Ia.
Schuster, Rudolph Samuel.....Chicago
Sellers, Horace Bruner.....Elgin
Shurtleff, Helen.....Wilmette
Silvius, Delwin Harold.....Hampton, Ia.
Smith, Harry Elijah..... Macomb
Smith, Vera Alice.....Laporte, Ind.
Stevens, William Blue.....Chicago
Sutor, Georgina Katharine..LaCrosse, Wis.
Thomas, Grace Winsor.....Red Oak, Ia.

Tomhagen, Edith Sommer.....Chicago
Townsend, Zora.....Lake City, Ia.
Tucker, James Dustin.....Harvey
Ullerick, Helen May.....Chicago
Ullrick, Charles Burch.....Evanston
Ward, Ruth Florence.....New York, N. Y.
Watt, Esther May.....Chicago
Weese, Robert Peter.....Huntington, Ind.
Wernicke, Marie Agnes.....Chicago
Widney, Charles Earl.....Melrose Park
Williams, Lucy Marie.....Evanston
Yaple, George Skiles.....Virginia

SOPHOMORE CLASS

Abraham, Elizabeth.....Normal
Allen, Kate.....Maquoketa, Ia.
Allen, Sarah Edna.....Kalona, Ia.
Armstrong, Howard Joseph.....Chicago
Arragon, Reginald Francis.....Chicago
Asgaard, Anna.....Ishpeming, Mich.
Ash, Henry Seymour.....Endeavor, Wis.
Ashby, Bertha.....Ladoga, Ind.
Bailey, Harry Phillips.....Princeton, Mo.
Baird, Wilbur Stanley.....Peotone
Baker, Rannie Belle.....Townly, Mich.
Ball, John Rice.....Orlond
Ballard, Sallie Virginia.....Evansville
Ballew, William Murray.....Corydon, Ia.
Baylie, Carolyn Isabelle.....Chicago
Beddow, Bernice Iona.....Waukon, Ia.
Bedell, Guy William.....Thomson
Behl, Ada Margaret.....Chicago
Bell, Walton Sercomb.....Chicago
Bellows, Dale Edwin.....Maryville, Mo.
Bellows, Harold Honnold....Maryville, Mo.
Bergesen, Albert Rufus.....Leland
Bernetha, Madge.....Rochester, Ind.
Berryman, Audrey Gladys.....Franklin
Best, Leta Maude.....Freeport
Betts, Edna Ellsworth.....Evanston
Blackstock, Josephine.....Chicago
Blair, Mary Constance.....Winslow
Blodgett, Vesta Electa.....Chicago
Boettcher, Edna Rosalie.....Evanston
Bonbright, James Cummings.....Evanston
Booz, Edwin George..Gorgona, Canal Zone
Borton, Helen Wills.....Evanston
Boyington, Pearl Leone.....Petoskey
Bragdon, Merritt Caldwell Jr.....Evanston
Brant, Arthur Dartnell.....Riverside, Cal.
Bray, Edith Elizabeth Mary....Waukegan
Breeden, Richard Gilchrist.....Evanston
Bressmer, Walter Arthur.....Latham
Brodfuehrer, Oscar Matthias.....Chicago
Brown, Helen Cora.....Sioux Falls, S. D.
Brown, Lydia Lawrence.....Lake Forest
Bunch, Jesse William.....Thayer, Ind.
Busby, Edward Brinkerhoff....Coal City
Campbell, Donald.....Clinton
Campbell, Elizabeth S.....Monica
Campbell, Fanchen Leota.....Chicago
Cannon, Howard Renwick.....Oak Park
Carlson, Mary Isabel.....Princeton
Carlson, Robert Clarence....Brooklyn, N.Y.
Carr, Charles Lewis.....Quincy
Carwardine, John Chester.....Chicago
Caster, Ursula.....Crawfordsville, Ind.
Cattermole, Carolyn Frances.....Joliet
Chamberlain, Grace.....Chicago
Chandler, Louise.....Chicago
Chase, Margaret Edna.....Evanston
Chase, Wilbur P.....Toulon
Christiansen, Martha Elizabeth.....Chicago
Christie, Mabel Hope.....Chicago
Clafford, Harry Joseph.....Chicago
Clark, Harold Johnson.....Evanston
Coad, Willma.....Chicago
Cockrell, Frank Parsons.....Oswego, Kans.
Comstock, James Frank.....Macomb
Conover, Crystal.....Wheaton
Cormack, Joseph Marshall.....Chicago
Cox, Winnifred Sarah.....Osseo, Wis.
Crawley, Helen Williams.....Chicago
Crippen, Harriet Faye.....Cherokee, Ia.
Crouse, Sara Elizabeth Dibert..Holmes, Pa.
Cunningham, Barclay Wm.KansasC ty,Kan.
Dawson, Robert Earle.....Kansas City, Mo.
Dean, Jessie Louise.....Chicago
Dennis, Leah Augusta.....Dubuque, Ia.
Denton, Allen Eugene.....Sheller
Dickerson, Earl Burrus.....Chicago
*Dodge, Douglas Raymond.....Glen Ellyn
Drew, Alberta Lizbeth.....Joliet
Dysart, George Philip.....Dixon
Eaton, Jonathan Chase.....Fargo, No. Dak.
Eckert, Fred William.....Chicago
Evans, Edgar James.....Braddock, Pa.
Farnham, Irene Gaylord....Laurium, Mich.
Foerster, Freya.....N. Crystal Lake
Frank, Glenn.....Green Top, Mo.
Fraser, Bruce Ernest.....Chicago
Frei, Mildred.....Reinbeck, Ia.
Fuller, William Green.....Galva
Galpin, William Freeman..Muskegon, Mich.

* Deceased Dec. 30, 1910.

Garrison, Daisy Luella.....Chicago
Gaskins, Nina.....Harrisburg
Gifford, Gertrude Matoaka.....Evanston
Goodenow, Harold Elijah.. .. Detroit, Mich.
Graves, Nelle Amelia.....Abilene, Kans.
Green, Elsie Fuller.....Kansas City, Mo.
Greene, Fern Emily.....Woodstock

Hale, Frances Arnold.....Highland Park
Hale, Helen Gertrude.....Highland Park
Hall, Vere Alton.....Keithsburg
Hanna, Wilma Eleanor....Cedar Rapids, Ia.
Hard, Mary.....Van Wert, Ohio
Harris, Abrams II.....Evanston
Harrison, Faith Stone.....La Grange
Haubold, Clara Theresa.....Chicago
Haviland, Fred Hobert.....Aurora
Hayde, Marion.....Chicago
Hein, Gordon Egan.....Pueblo, Colo.
Herbert, Florence Emerson..La Grange, Ind.
Herren, Walter.....Oswego
Hobart, Elizabeth.....Evanston
Hoffman, Clara Louise.....Chicago
Holden, Florence Elizabeth .. ..La Grange
Holmberg, Hilda Christina.Centerville, S. D.
Holton, Margaret Bacon..Indianapolis, Ind.
Horning, Helen Morton Barker. ..Evanston
Hummel, Gertrude Anna..... Chicago
Huss, Olive Grace .....Jacksonville
Ilgenfritz, Edwin K.....Boone, Ia.
Jacobsohn, Herman.....Chicago
Jamison, Michal Velma.....Monmouth
Jenkins, Catharine Elizabeth.....Chicago
Jenks, Frances Sylvia.....Elgin
Johnk, Frederick August.....Kinsley, Kans.
Johnson, Andrew Nedessen....Sparta, Wis.
Johnson, Delbert Kimmins.... Latrobe, Pa.
Johnson, Edward Amer.....Cornell
Johnson, George Walter.....Chicago
Johnson, Iver Magni.....Racine, Wis.
Kenney, Cleo Vera.....Melvin
Kerr, Fred Laird.....Chicago
Kilbury, Mabel Rachel.....St. Joseph
Klatt, Armella Angela.....Lincoln
Kohin, Mary Millicent.....La Salle
Kranebell, Wilbur RaymondAlbertLeaMinn.
Lamke, Earl John.....Evanston
Lamke, Raymond Clarence.....Evanston
Landon, Clare.....Chicago
Langdon, Alwilah.... .....Le Roy
Larsen, Harold Otis.....Evanston
Leach, Margaret Fanny.....Evanston
Leacock, Lilian.....Chicago
LeBaron, Paul Keith.....Evanston
Lex, Jessie Katherine.....Peoria
L'Hote, Elda Patience.....Milford

Linn, Earl Smith.....DesMoines, Ia.
Linowiecki, Anthony Joseph.....Chicago
Livengood, Frances Marie...Meyersdale, Pa.
Lobanoff, Vera Theodore.....Wilmette
Locy, Francis Eastman.....Evanston
Loehr, Adele Marie.....Carlinville
Loomis, Edna Reigart.....Chicago
Luker, Paul Jacob..... Staunton

McCague, Margaret Harriet.....Chicago
McClure, Ethelda.....Chicago
McCulloch, Bert Carlyle..... Harvey
McCulloch, Hugh Waugh.....Evanston
McLean, Ruth Eleanor .. ..Elgin
Maris, Thomas Glenn.....Glascow, Mont.
Marks, Harry Carl.....Chicago
Marks, Vernia .....Beloit, Wis.
Mars, Gladys Anne.....Kenilworth
Marxsen, William Bartenick.....Chicago
Maury, Carl Lee ..... . Rossville
Mealiff, Ethel Helen.....Chicago
Melvin, Ruth.....Mound City, Mo.
Mercer, Herman Josiah.....Wyanet
Merritt, Louise Annetta.....Magnolia
Milburn, Edith Victoria.....Niles, Mich.
Millholland, Paul.....Indianapolis, Ind.
Moscrip, Jessie Erskine. So. Milwaukee, Wis.
Moss, John Butler.....Wheaton
Mueller, Alexander John.....Racine, Wis.
Murphy, Zita Mary.....Chicago
Murray, Melicent Annette.....Evanston
Newman, Elizabeth.....Starr City, Ind.
Newton, Henrietta.....Crown Point, Ind.
Nichols, Louise MacCaeen.....Evanston
Nyquist, Reuben Emil .....Moline
Parrish, Rachel Phebe.Benton Harbor Mich.
Paullin, Frances Anne.....Evanston
Payne, Veda Louise.....Chicago
Pearson, Oliver Wendell.....Chicago
Pearson, Pauline.....Chicago
Pederson, Oluf Johan.....Audubon, Minn.
Penman, Ida Mae.....Yorkville
Penrose, Helen Josephine.....Elgin
Petersen, Max Heinrich.....Dundee
Peterson, Jedediah Earl.....Mesa, Ariz.
Petty, Martha Elizabeth.....Chicago
Phelps, James Manley.....Chicago
Pierson, Hazel May .....Wilmette
Pittman, Margaret.....Evanston
Platt, Emily Belle Humble.....Chicago
Pope, Walter Scott.....Berwyn
Prouty, Ida Evangeline....Des Moines, Ia.
Randall, Winslow Henry.....Harvey
Ray, Lloyd Carlyle.....Rockefeller
Rendleman, George Franklin.....Anna
Reppert, Myrtle Sarah.....Burlington, Ia.

Richardson, Mary Frances.....Chicago
Riley, Bertha May Wood.....Evanston
Riley, Bessie .....Arkansas City, Kans.
Robertson, Donald Grant.....Evanston
Robins, Fitz James.....Iantha, Mo.
Sage, Dorothy Lewis.....Evanston
Sanders, Grant Leslie.....Iowa Falls, Ia.
Saurer, Harold Dale.....Bluffton, Ind.
Schantz, Ruth Edmonds....Morton Park.
Scheuber, Selma Florence ..... Chicago
Schmeisser, Martha Emma.Calumet, Mich.
Scott, Florence Margaret.....Chicago
Scott, Mabel Austin, .Columbia City, Ind.
Shafer, Viola Elsa.....Peoria
Shafer, Violet Mary.....Peoria
Shanesy, Ralph David.....Belvidere
Shearer, Viola Evelyn.....Wyoming
Shedd, Harriett Emerson..Rensselaer, Ind.
Shenk, Arthur Balentine.Monticello, Ind.
Sherman, Frank Taylor.....Preemption
Shields, Ruth Myrtilla.....Evanston
Short, Charles Augustus..Pembina, N. Dak.
Shultz, Edith.....Chicago
Siberts, Sara Miriam....West Liberty, Ia.
Skewes, Helen.....Wilmette
Smiley, Bernice B.....De Kalb
Smith, William Rogers Stafford..Niles, Mich.
Soule, Madeleine.....San Bernardino, Cal.
Southworth, Raymond Gurton... Danville.
Spies, Chester Boeck.....Creston, Iowa
Stabler, Lloyd Jesse.....Neponset
Stanbery, Helen Clark ..... Evanston
Stevens, Clara Anna.....Chicago
Stewart, Martha.....Rossville
Strasser, Marie Jeannette .... La Grange
Straub, Mila P. B.....Evanston
Strickler, Grace Adele.....Keokuk, Ia.
Sturgis, Coa May Irene....Muskegon, Mich.
Sumpter, Howard John William.....
Union Grove, Wis.
Thompson, Marguerite.....Wilmette
Tink, Robert Wesley.....Brooklin, Ont.
Travis, Florence.....Evanston
Urbain, Lea Fantine.....Du Quoin
Van Horn, Mildred..... Evanston
Voorhees, Edith Naomi...Davisburg, Mich.
Wackerbarth, Neva Ruth...ndependence, Ia.
Walker, Blanche Vera.....Independence, Ia.
Walker, Dora Avis.....Delavan, Wis.
Wallace, Clarence Earl..Van Wert, Ohio
Wallace, Raymond McKee.....Chicago
Walsh, Percy Hammond.....Chicago
Waltmire, Homer H ..... Delavan.
Wamsley, Ruth Raymond.....Charleston
Wandrack, Martin Joseph.....Woodstock
Ward, Mabel Lucy.....Evanston
Warner, Frances Marian.....Rossville
Wells, Harry Lumn.....Coshocton, Ohio
West, Maud Isabelle.....Loda
Wheeler, Elliot.....Evanston
Wheelock, Sara Grosvenor.....Evanston
Wheldon, Mary Elizabeth....Edison Park
Whitelaw, Olive Stanton.....Chicago
Whiteside, Samuel Eugene.....Evanston
Whitham, Gladys Eugenia.....Rankin
Wilcox, Leila Belle.....Princeville
Wilson, Harold LeRoy...South Fargo, N. D.
Wise, Oliver Cady.....Maywood
Wooden, Robert Edgar....Centerville, Ia.

FRESHMAN CLASS

Ackerburg, Harry Albert.....Chicago
Ackerman, Lucy Elizabeth....Milledgeville
Albright, Lisle Murillo.....Edison Park
Allen, James Blaine.....Maquoketa, Ia.
Allen, Maude.....Wilmette
Anderson, Coila Marie.....Preston, Minn.
Anderson, Nelson Cornelius.....Leland
Apel, Paul Hermann.....Chicago
Armbruster, Homer B.....Springfield
Armbruster, Walter Clemens....Springfield
Armstrong, Martha Christena....Princeville
Arnold, Frankie Elizabeth.....Galena
Arragon, Alexander Vasey.....Chicago
Aspegren, Herman Wendell..Saronorth, Neb.
Atwell, William Joseph.....Evanston
Barlow, Louise Ferry.....Chicago
Barnes, William Harrison.....Chicago
Bausch, Edna Hester.....Chicago
Beach, McCager Glenn.....Altus, Okla.
Beach, Vey Hannah.....Albany
Beaton, Matthew Angus Jr.....Chicago
Beck, Martha Elizabeth.....Glencoe
Beers, Catherine Virginia.....Evanston
Belknap, Charlotte Brainard.....Evanston
Benson, Ruth Mary.....Ch cago
Bergen, Frederica Grace..Summerfield, Kan.
Betts, Karl Sawtelle.....Clinton, Mo.
Blair, Charlie Eugene....Claremont, Minn.
Boddy, Mildred.....Chattanooga, Tenn.
Booz, Charles Stevenson.Gorgona, Canal Zone
Bowen, Vera Opal.....Greencastle, Ind.
Brickman, Ruth Louise.....Eldora, Ia.
Brown, Leon Leonard.....Cherry Valley
Brown, Russell Elbert.....Ava
Brown, Vesta Verne.....Peoria
Browning, Ruth Estelle.....Evanston

Burdick, Earl Franklin.....Chicago
Butcher, Mary Elizabeth....Lahore, India
Campbell, Horace Graham.....Clinton
Carroll, George Charles.....Garrett, Ind.
Chace, Lou Bell.....Stanton, Neb.
Chapman, Catherine Gladys.....Chicago
Chapman, Helen Hoagland.....Evanston
Chase, Helen Myers.....Toulon
Christman, Sylva Leigh.....Evanston
Clancy, Velma Clare.....Chicago
Clemes, Stanley Wilson.....Toronto, Can.
Cole, Henry Hubert.....Winterset, Ia.
Coleman, Matthew Kirk.....Hoopeston
Collins, Frank Burnus.....New Milford
Cook, Ernest Dye.....Tacoma, Wash.
Coon, Claude Hubbard.....Rockford
Corbin, Florine Cleo.....Washburn
Corcoran, John James.....Evanston
Cornelius, Ernest Harry.....Hastings, Neb.
Courtright, Helen.....Wabash, Ind.
Cowing, Luella Anna.....Joliet
Cozzens, Klea Gertrude.....Chicago
Craft, Glenn Erving.....Burlington
Cromer, John Alden.....Troy, O.
Crosier, Ethel Beatrice.....Geneseo
Culver, Isabel Emma.....Chicago

Dana, John Newell.....Kirksville, Ia.
Davidson, Dorothy Lynne.....Evanston
Davis, Elizabeth Clayton....Hartford, Wis.
Davis, Marjorie Henderson.....Chicago
Dawson, Mary.....Rochester, Ind.
DeCelle, Elise.....Evanston
Decker, Helen Marie.....Chicago
DeKalb, Charles Elton.....Springfield
Deming, Margaret Wilton..Highland Park
DeVilbiss, Bessie Beatrice...Ft. Wayne, Ind.
Dewey, Vivian Persis.....Kenosha, Wis.
Dick, Elmer Jewell.....Chicago
Donahoo, James Harrison.....Moline
Donlin, Phyllis Rosemond.....Chicago
Dorrance, Mary Juliet....Coldwater, Mich.
Doughty, Wilmer Mar.....Graham, Mo.
Dunfee, Agnes Electa.....
.....Calgary, Alberta, Can.
Dunfee, Florence Althea.....
.....Calgary, Alberta, Can.
Dyrenforth, Dorothy.....Glen Ellyn
Eakins, Mary Eleanor...Jersey City, N. J.
Eastman, Ruth.....Evanston
Egan, Thomas Martin.....Chicago
Eisner, Hedwig.....Chicago
Ellis, Leon..... Spokane, Wash.
Ely, Laurence Driggs.....Evanston
Evans, Charles Jr.....Chicago
Evans, George Beaconsfield.Marinette, Wis.
Everett, Charlotte Reed.....Kenilworth
Eversz, Winifred.....Evanston
Ewald, Gladys.....Evanston
Faber, Mildred Lenore.....Mendota
Fahs, Jean.....Evanston
Fahs, Raymond Zeigler.....Seattle, Wash.
Fielding, Myrtle Catherine.....Chicago
Fisk, George Towner.....Chicago
Flack, Charles Earl.....Macomb
Ford, Marie Elizabeth.....Chicago
Forman, Edna Laura..... Zion City
Fox, Anna Stewart.....Brooklyn, N. Y.
French, Charles Lemmel.....Evanston
Frantz, Eula May..... Pawpaw
Fuller, Julia Lehigh.....Chicago
Fulton, Roy Robert.....West Liberty, Ia.
Furness, Dwight Rogers..Guadalajara, Mex.

Geraghty, Richard Stanley.....Berwyn
Gethmann, John Edgar.....Reinbeck, Ia.
Goessele, Ruth Joyce.....Chicago
Goodsmith, Howard Moulding.....Chicago
Graham, LeRoy William.....Aurora
Graves, Nathaniel Van.....Chicago
Gray, Adelaide.....Morrison
Gray, William Jasper.....Warrensburg
Grubb, Lucile Esther.....Mauston, Wis.
Guertin, Percy Joseph.....St. Anne
Haefliger, Eleanor Elizabeth....Princeton
Hall, Calvin N.....Gallatin, Tenn.
Hall, Laura Downton.Prairie du Chien, Wis.
Halpin, Lois Mae.....Chicago
Hanson, Marion Kathleen.....Chicago
Harkness, Nathan James, Jr.....Chicago
Harlow, Frank Arthur.....Chicago
Harries, Zera Randall.....Chicago
Harris, Edna Rose.....Evanston
Harrod, Ramona Weldon....Waterloo, Ia.
Hart, Marguerite.....West Allis, Wis.
Hartmann, Ernest John.....Chicago
Havighurst, Alfred Rudolph.Bellefontaine, O.
Hawley, Florence.....Chicago
Heagany, Maree.....Chicago
Hebblethwaite, Frank Prior.....Evanston
Hedrich, Arthur William.....Chicago
Hemenway, Margaret.....Evanston
Hester, Evett Dorrell.....Chicago
Hildebrand, Florence Ruth.....Chicago
Hinsdell, Oliver Edwin.....Elgin
Holler, Effie Pearl.....Macomb
Houston, Gertrude.....Joliet
Howell, Fanny.....Fairmont, Minn.
Howell, Isabel Grant.....Evanston
Hoyt, Joseph Daniel.....Lafayette, Ind.
Huber, Paul Robert.....Chicago
Hucker, Corel Ruth.....Grayslake

Hughes, Hilda Wallace....LaGrange, Ind.
Huntting, Ruth.....Chicago
Hurt, Ruth Anna.....Chanute, Kan.

Inkster, Charles.....Herscher
Irwin, Alma Mabel.....Oak Park

Jenkins, Marie Agnes.....Peoria
Johnson, Ada Regine.....Woodstock
Johnson, Alice Irene.....Chicago
Johnson, Irene Alice.....Chicago
Johnson, Marcus.....Park Ridge
Johnson, Nina.....Ottawa
Jones, Ellsworth Davis.....Evanston
Jordan, Viola.....Chicago
Justice, William Arthur.....Evanston

Kaiser, Alice Mackenzie.....Chicago
Kappes, Sallie Bell.....Evanston
Kenner, Arie Opal.....Macomb
Kerr, Kathren Marguerite.....Waukegan
Kimball, Maurine Winifred.....Elgin
Kindig, Geraldine Hull.....Rochester, Ind.
King, Elizabeth DeLong.....Harvard
Kingsley, Katharine Winslow.....Evanston
Kitterman, Lydia Catherine.....Tiskilwa
Krueger, Harold Arthur.....Wausau, Wis.

Lambert, Jessie.....Chicago
Larson, Eva Lillian.....Chicago
Lavery, William James Jr.....Evanston
Lawrence, Georgia Eleanor.....Joliet
Lefever, Earl Wilson.....Mt. Gilead, O.
Letzter, Margaret Catherine.....Evanston
Lewis, Llewellyn Roy..Mexico City, Mexico
Liang, Chi Shuen.....Canton, China
Light, Sarah Margaret.....Ottawa, O.
Long, Christopher Sterry.....Pontiac
Long, Lester Lemuel.....Toulon
Long, Lothar Reymond.....Evanston
Loveland, Gilbert Francis..Loveland, Colo.
Luther, Mary Louisa.....Walnut

McCague, Mary Gertrude....Omaha, Neb.
McCallum, George Mena..Muskegon, Mich.
McCord, Edwin Alphonso.....Danville
McCordic, Christine Ruth.....Winnetka
McCosh, Mac Emerson.....Mt. Morris
Macdonald, Charlotte Mary.LaPorte, Ind.
McDonald, Elmer.....Odell
McDonald, Hazel Florence.....Kenilworth
Mackin, Thomas John.....Chicago
Maclear, Mary Abigail.....Evanston
MacLennan, Donald John....Rib Lake, Wis.
Macmillan, Frances Jane.....Chicago
McNeill, Cherrill.....Evanston
Macpherson, Margaret Anderson. .Evanston
McWhorter, Gardner Alpheus....Evanston
Markley, Hazel Sue.....Belvidere
Marriner, Catharine Elizabeth..
..... Menominee, Mich.
Mason, Helen Iris.....Evanston
Mason, Inez Dora.....Mansfield, Conn.
Meers, Edith Gertrude.....Evanston
Mendsen, Jessie Madeleine.....Evanston
Merrell, Leila Virginia.....Evanston
Merritt, Murray Franklin.....Magnolia
Merry, Clifton Henry.....Hebron
Mertz, Ella Leona.....Downers Grove
Meyers, Julia Catherine.....Belvidere
Miller, Besse Adelsperger.South Bend, Ind.
Miller, John Marshall.....Aurora
Milroy, Donald Garret.....Chicago
Minard, Barbara Winefred....Blue Island
Moehle, Hugh Harold.....Chicago
Mohrman, Linda.....Chicago
Monahan, Homer Waddington..
.....Darlington, Wis.
Moschel, John Elliot.....Washburn
Moser, Helen.....Eldora, Ia.
Murphy, Joseph Cornelius..Cedar Falls, Ia.
Myers, Sybil Ruth.....Sheldon, Ia.

Nading, Frieda Elizabeth.....Yorkville
Nelson, Caryl Linder.....Chicago
Nelson, Charlotte Christine.....Chicago
Nelson, Marie Josephine.....Chicago
Nethercut, Ruth Allen...Lake Geneva, Wis.
Nevitt, Mildred Eva.....Bradford
Noren, Alfred Paul.....Pierre, S. D.
Nourse, Wynn Abbott.....Tacoma, Wash.
Nye, Russell G.....Agency, Ia.
Oates, Henry Franklin.....Iowa Falls, Ia.
Olson, Evalyn.....Winona, Minn.
Paddock, Helen Abigail.....Evanston
Page, Affie Belle.....Chicago
Paisley, Mary Grace.....Chicago
Patterson, Clinton Crissey.....Marengo
Paullin, Laura Virginia.....Evanston
Paxton, Lucile Proctor.....Kansas
Pearson, Hazel Beatrice.....Chicago
Perrin, Mabelle May.....Luverne, Minn.
Peters, Walter Leonard.....Evanston
Peterson, Ruth Katharine....Dubuque, Ia.
Phipps, Park Jr.....Evanston
Pierce, Iola Elizabeth.....Belvidere
Pierce, Myrle Heafford.....Chicago
Pierson, Edith Mae.....Lamoille
Pinkerton, Biran Caverly.....Chicago
Plank, Margaret Kilbourne..Rochester, Ind.
Pollock, Ellen Campbell.Plattsmouth, Neb.
Pope, Helen Jessie.....Wilmette
Pope, Mary Caroline.....Waukegan
Porter, Ruth.....Mt. Pleasant, Ia.
Portman, Margaret.....Chicago

Potter, Inez Coons.....Evanston
Powers, Loraine Margaret.....Chicago
Pratt, George Wesley.....Truro, Ia.
Pratt, Howard Fels.....Chicago
Prescott, Theodore B.....Chicago
Prince, William Jasper.....Coin, Ia.
Pritchard, June.....Hinsdale
Prouty, Frances.....Des Moines, Ia.
Pruen, Eleanor Orpha.....Washington
Purnell, Ruth Elizabeth....West Chicago
Ralston, David Elmer.....Argyle
Randolph, Gertrude Opal.....Onarga
Rapp, Ruby.....Evanston
Reade, Florence Juanita.....Maywood
Recher, Frieda Gertrude.....Morocco, Ind.
Reynolds, Benoni Orrin, Jr.....
.....Lake Geneva, Wis.
Richardson, Ruth Imogene.....Chicago
Riggs, Edith Lillian.....Des Moines, Ia.
Roberts, Marion.....Wilmette
Robertson, Lucile Clarinda.....Evanston
Robinson, Laura Ann....Coldwater, Mich.
Robinson, Marguerite.....Hampton, Iowa
Robinson, Mildred.....Austin, Minn.
Robinson, Muriel Edith....Bombay, India
Rockefeller, Alfred.....Evanston
Ross, Lois Evelyn.....Saunemin
Round, Glen Edward.....Maquoketa, Ia.
Rulifson, Genevieve Lillian.....Chicago
Russell, Eva.....Ft. Benton, Mont.
Sanders, Charity Anne.....Ottawa
Sanders, Ruth.....Evanston
Sauer, Frank Joseph.....Evanston
Schloesser, Harry Eugene.....Chicago
Schuett, Walter William.....Evanston
Scott, Clarence Lesley.....Red Oak, Ia.
Scott, D'Maris Marguerite.....
.....Columbia City, Ind.
Scott, John Colwell.....Marinette, Wis.
Seineke, Clara Dorothy....Reedsburg, Wis.
Selleck, Dolly Alice.....Buckley
Severance, Helen.....Evanston
Shepard, Frank.....Delphi, Ind.
Shepard, Warren.....Chicago
Shipman, Helen Briggs.....Evanston
Short, Marie Agnes.....Chicago
Schultz, Helen Virginia.....Delphi, Ind.
Sibbitt, Marion Marlin.....Delphi, Ind.
Simonsen, Adele Evangeline..Melrose Park
Smith, Edwin Oscar.....Suiter, Ohio
Smith, Lenore Dorotha....LaGrange, Ind.
Smith, Rebecca.....Beloit, Wis.
Smith, Silas Raynor.....Joliet
Smothers, Isaac Alonzo.....Rossville
Snow, Ruth Eleanor.....Wilmette
Sonnen, Helene Anna.....Evanston
Spang, Genevieve Margaret....Georgetown
Spielman, Helen Louise.....Topeka, Kan.
Spitler, Leila Mae.....Aberdeen, S. D.
Springer, George Durant.....Everett, Vt.
Sprouse, Claude Willard....Compton, Cal.
Stabler, Jesse Lee.....Neponset
Steffey, Arthur John.....Stronghurst
Stein, Frieda Mary.....Chicago
Steuart, Marjory.....Washington, D. C.
Stewart, Robert Augustus....Guthrie, Okla.
Stodola, Amy.....Chicago
Streed, Elsie Judith.....Waukegan
Stults, Frances Willard..... Evanston
Swartz, Jerrold Franklin.....Evanston
Tabler, Frank Henry.....Morris
Taylor, James.....Helena, Mont.
Taylor, Samuel.....Helena, Mont.
Tedrick, Floyd Newman....Hartford, Mich.
Theobald, Otto Barney.....Mason City
Thompson, Blanche Anna.....Tiskilwa
Thompson, Fleta.....Carrier Mills
Thompson, Ruth Elizabeth.....Chicago
Thomson, George Franklin....Craig, Mo.
Thomson, James Ellus.....Ft. Worth, Tex.
Thorsen, Arthur Valdimar.....Winnetka
Tomblin, Beulah Elizabeth.....Aurora
Trowbridge, Jessie Gray.....Evanston
Truitt, Beulah.....Tuscola
Tuck, Albert Edward.....Greeley, Colo.
Tully, Helen Adelaide.....Evanston
Tuttle, Helen Bertha.....Berwyn
Twichell, Clarence Watson.....Chicago
Uhlhorn, Florence Louise...Downers Grove
Underwood, Levi Stillman.....
.....Lake Geneva, Wis.
Urban, Lucile Sarah.....Chicago
VanHorne, Marjorie.....Evanston
Vawter, Jessie Mae.Benton Harbor, Mich.
Verbeck, Vera Viola.....Freeport
Vernon, Elleanor Eugenia.....Chicago
Vernor, John Harold.....Sandwich
Vinyard, Middie Middletown..White Hall
Wait, Ruth Lucile.....Reynolds
Walker, James Harrison.....Poplar, Mont.
Wallace, Frank Erwin.....Kearney, Neb.
Walton, Arthur Calvin.....Chicago
Ward, Walter Earl.....Boonville, N. Y.
Warren, Mildred.....Mt. Vernon
Waterman, Ella Marie.....Creston, Ia.
Weaver, Louise Content.....Chicago
Wells, Norma Mae.....Evanston
Wenger, Hattie Ruth.....Washington, Ia.
West, Coral Kathryn.....Bushnell
West, Edna May.....Loda

West, Ruth Sarah.....Loda
Westwick, Bella Elizabeth.....Galena
Wheaton, Clayton Cook.....Chicago
Wheeler, Harriet.....Oak Park
Wheeler, Howard Norman.....Rolfe, Ia.
Whitehead, Ely Locke.....Evanston
Whitver, Darlene Ellen.....Walnut
Wilcox, Lyle Brownell.....Sterling
Wiley, Besse Lois.....Edgerton, O.
Wilson, Ruth Suzanne.....Evanston
Winchell, Dorothy.....Chicago
Wooden, Anne Fay.....Michigan City, Ind.
Wray, Walter Neil.....Maryville, Mo.
Wright, Merle Leslie.....Onarga
Wynne, Ross Brumbaugh...Princeton, Mo.
Zurawski, Elizabeth Winifred.Burlington, Ia.

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE AND STUDENTS WITH EXCESS ENTRANCE CONDITIONS

Adair, Joseph Peregoy.....Byesville, Ohio
Allen, George Brannan.....Cary
Allfree, Mary Louise.....Chicago
Andrews, Elizabeth.....Vermilion, S. D.
Barr, Agnes Paterson.....Evanston
Bond, James Burns.....Evanston
Byrnes, Agnes Mary Haddon.....Evanston
Corlett, Bernice Ann.....Chicago
Dalton, Mary Benedict.....Chicago
Dutton, John Harmon.....Chicago
Eddy, Raymond Augustus.....Evanston
Ericson, Gustav Rudolph.....Evanston
Fisher, W. Merle.....Bloomington
Fritz, Gustav E.....Peoria
Goddard, Joseph Nathaniel..Barbados, W. I.
Graves, Charles Arthur.....Chicago
Hickman, Eugene Christian....Bath, S. D.
Hilander, Arthur Conrad....Sister Bays, Wi.
Kappes, Marion.....Evanston
Kiser, Stephen Lott.....Sedgwick, Kan.
Lawson, John Walton.....Evanston
Markley, Meta Goldsmith.....Chicago
Miller, Kate Wright.....Evanston
Moore, Andrew Jamieson.Mather, Man.Can.
Morrow, Harry Earl.....Cedar Falls, Iowa
Mueller, Albert Christopher.....Chicago
Noack, Emilie Marie.....Chicago
Norton, Marie Therese.....Evanston
Orth, Lafayette Lorenzo .Ft. Recovery, Ohio
Phalen, Margaret Schieble.....Evanston
Plasteur, Lowell Courtney.Huntington, Ind.
Pomeroy, Edward Stuart.....
.....Salt Lake City, Utah
Raman, Henry Benjamin.....Farmingdale
Reed, John Watford.....Chicago
Short, Ruth Henscil.....LaGrange, Ind.
Six, Mary Myrtle.....Perry
Talmage, Morris.....Chicago
Templeton, Ethel Maria.....Chicago
Trienens, Frances Mary Elizabeth..Chicago
Wagner, Frederick Cortland.....
Chesterton, Ind.

UNCLASSIFIED

Adams, Edna May.....Green Lake, Wis.
Barsaloux, Elizabeth Rowena.....
Mason City, Iowa
Gleeson, Jules.....Independence, Ia.
Hoake, Charles John..... Chicago
Hurtt, William LeRoy.....Leipsic, O.
Moore, Mary Rebecca .....Tolono
Lewerenz, Martin Charles.....Des Plaines
Rollins, George Alcuin....Milwaukee, Wis.

STUDENTS IN SUMMER SCHOOL NOT INCLUDED IN OTHER LISTS

Bott, Alice King.....Evanston
Boyd, Bertha B.....Chicago
Braidwood, Jeanie Belle.....Chicago
Clayton, Allan Benjamin.....Evanston
Daly, Minnie E.....Chicago
Doktorsky, Philip.....Chicago
Gamble, Merritt C.....Evanston
Gethmann, Ella Helen.....Reinbeck, Ia.
Gillet, Marjorie.....Evanston
Griffin, Florence A.....Roscoe
Haven, E. O.....Lake Forest
Hicks, Walter S.....Evanston
Hirschell, H. G.....Chicago
Huth, Nydia.....Chicago
Judd, Caroline Lucy.....Chicago
Lotze, Hazel Catherine.....Vermilion, S. D.
McCrea, Marion.....Chicago
Mulfinger, C. W.....Chicago
Nelson, Erwin P.....Albert Lea, Minn.
Olson, Olefine G. L.....Chicago
Rose, Clara Estelle.....Evanston
Shotwell, Ida Mae.....Evanston
Skelly, Mary E.....Chicago
Stearns, Albert Thomas, 2d...Boston, Mass.

Stults, Walter Allen.....Evanston
Swindell, Alice Blanche.....Lebanon, Mo.
Thompson, Madge J.....Chicago
Watson, Charles Hamilton....Monon, Ind.
Wood, Elizabeth.....Charlotte, Mich.

EXTENSION COURSES

Abbott, Mabel.....Chicago
Affhauser, Louis F.....Chicago
Arnold, Minnie M.....Chicago
Ashman, Minnie C.....Chicago
Barker, Agnes J.....Chicago
Billings, Myra C.....Chicago
Brennan, Margaret A.....Chicago
Broderick, Mary.....Chicago
Bryne, Mary L.....Chicago
Buchholz, Laura M.....Chicago
Butterfield, Ethel M.....Chicago
Byrud, Nellie E.....Chicago
Carman, Henry B.....Chicago
Casavaw, Josephine M.....Chicago
Casey, Thomas J.....Chicago
Claus, Eva W.....Chicago
Clohesy, Agnes B.....Chicago
Close, Novella M.....Chicago
Connell, Ella R.....Chicago
Courtney, Grace.....Chicago
Craney, Mary E.....Chicago
Cronk, Jeannette M.....Chicago
Cummings, Bertha V.....Chicago
Dameier, Mary H.....Chicago
Danielson, Agnes L.....Chicago
DeButts, Clarence E.....Chicago
De Lany, Mary E.....Chicago
DeMerse, Mary M.....Chicago
Dillon, Bessie O.....Chicago
Dolan, Mae G.....Chicago
Donnelly, Theresa J.....Chicago
Doran, Nora F.....Chicago
Drake, B. Elsie.....Chicago
Duffy, Agnes Dana.....Chicago
Dunwell, Minnie M.....Chicago
Evans, Donald W.....Evanston
Ferguson, Jean M.....Chicago
Franklin, Anna E.....Chicago
Franklin, Matilda R.....Chicago
Frost, Minnie C.....Chicago
Gee, Etta Q.....Chicago
Gilmore, Celia M.....Chicago
Grandy, Mabel M.....Chicago
Grill, Anna.....Chicago
Groener, F. Emil.....Chicago
Guest, Katherine M.....Chicago
Gyles, Rose Marie.....Chicago
Hall, Eliza P.....Chicago
Harris, Nellie.....Chicago
Hatch, Henry D.....Chicago
Hennen, Sarah M.....Chicago
Henry, Anna.....Chicago
Holmes, Tracy H.....Chicago
Honan, Mary F.....Chicago
Hudd, Nellie C.....Chicago
Hughes, Elizabeth F.....Chicago
Hunt, Mabel C.....Chicago
Hunt, Mary F.....Chicago
Hunting, Edith.....Chicago
Jamieson, Thomas C. M.....Chicago
Jewell, Abbie L.....Chicago
Kearns, Julia H.....Chicago
Kelley, Isabelle.....Chicago
Leach, Irmagaarde B.....Chicago
Leekley, Charlotte.....Chicago
Lyons, Marian C.....Chicago
Maier, Moses.....Chicago
Matheny, Martha B.....Chicago
McDonnell, Marie J.....Chicago
McDonnell, Susan J.....Chicago
McGillen, Elizabeth A.....Chicago
McGinnis, Jeannette B.....Evanston
McKillop, Anna.....Chicago
McLaughlin, Helen W.....Chicago
Meade, Marion J.....Chicago
Miller, Caroline E.....Chicago
Mitchell, Julia D.....Chicago
Moran, Anna F.....Chicago
Mosman, Lucy V.....Evanston
Mudoe, Florence G.....Chicago
Mulligan, Hannah A.....Chicago
Murphy, Irene V.....Chicago
Murray, Anna F.....Evanston
Myall, Charles A.....Oak Park
O'Hearn, Daniel F.....Chicago
O'Heron, Nellie.....Chicago
O'Keefe, Mary W.....Chicago
Pavey, Anne.....Chicago
Pavey, Josephine I.....Chicago
Peterson, Mabel M.....Chicago
Quinn, Josie L.....Chicago
Randall, Grace O.....Chicago
Reisner, Lewis A.....West Chicago
Renaud, Flora V.....Chicago
Rigney, Gertrude M.....Oak Park
Robinson, Flora A.....Chicago
Russakov, Sidney.....Chicago
Sass, Dorothy.....Chicago
Schreiber, Clara E.....Chicago
Schreiner, Caroline.....Chicago

Schumann, Margaret B.....Chicago
Seaman, Georgia.....Chicago
Sloan, Eliza M.....Chicago
Smith, Lillian L.....Chicago
Smith, Lotta A.....Chicago
Smith, Lucy A.....Chicago
Snively, Alice F.....Chicago
Snyder, Joseph S.....Evanston
Snyder, Katherine D.....Chicago
Solberg, Mary.....Chicago
Springe, Malvina.....Chicago
Steffenson, Signy.....Chicago
Sweeney, Mary.....Chicago
Taylor, Mary.....Chicago
Tracy, Edna B.....Chicago
Trout, Edgar W.....Chicago
Trubey, Cassandria E.....Chicago
Vorsheim, Henry G.....Chicago
Walker, Florence Gertrude.....Chicago
Wegener, G. A.....Chicago
Weinnette, Theo E.....Chicago
Whittiger, Frank A.....Chicago
Wilson, J. M.....Chicago
Winslow, Charles S.....Evanston
Wolcott, Myra.....Chicago

The Medical School

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Alt, Roy Colony.....Iowa
Ballenger, Howard Charles.....Indiana
Cook, Jesse Derickson.....Illinois
B.S., University of Chicago
Gerner, Otto Gerhard.....Illinois
Koch, Sumner Leibnitz.....Minnesota
A.B., Hamline University
Layson, Z. C.....Illinois
McCloskey, Richard Clyde.....Illinois
B.S., University of Chicago
Pazdrey, Ivan Constantine.....Austria
Sprafka, Andrew Nikolas....South Dakota
Stunts, Willard Glenn.....Illinois
Zdraveff, Lazar Panko.....Turkey

REGISTER OF STUDENTS 1910-1911

FOURTH YEAR

Abbott, William Robert.....Illinois
Allison, Harold.....South Dakota
Ph.G., South Dakota Agricultural College
Anderson, Harry Joseph.....Missouri
Anderson, Marion Ellsworth.....Iowa
A.B., Iowa Wesleyan University
Andres, Lasar.....Russia
Apple, William Rufus.....Ohio
Arndt, Harry William.....Minnesota
Arnson, Julius Ord.....Wisconsin
Ausman, Carl Frederick.....Wisconsin
Baker, Glenn Llewwllyn.....Minnesota
Batt, George William.....New York
Beck, Wilford William.....Utah
Belding, Clifton Le Roy.....Iowa
Bell, Herbert Yoemand.....Colorado
B.S., Northwestern University
Bell, Lewis Barclay.....Colorado
A.B., Northwestern University
Best, Floyd Ellsworth.....Illinois
Bevins, Nathan Sidney.....Iowa
B.S., University of Iowa
Black, John Roland.....Iowa
Blahnik, Karel Bartholomae.....Illinois
Ph.G., University of Illinois
Bly, Frederick Harvey.....Illinois
A.B., De Pauw University
Boon, Alfred Henry.....Illinois
Bowman, Galen Faro.....Illinois
Boyden, Guy Lee.....South Dakota
B.S., South Dakota Agricultural College
Brian, Frederick Willard.....Illinois
B.S., Illinois Wesleyan University
Brown, Eugene Harold.....Colorado
Buchbinder, Jacob Richter.....Illinois
A.B., Northwestern University
Campbell, Frank McLean.....Missouri
Christiansen, George.....Wisconsin
Cole, Harold Paul.....Iowa
Collins, Francis Augustine.....New York
Condon, John Joseph.....Illinois
Cooley, Arthur Dike.....Utah
Crow, Lloyd Benjamin.....California
Curtis, Asa Lyman.....Utah
Deal, John Francis Henry.....Illinois
Diers, Harry Frederick.....Nebraska

Dooley, Harry Joseph.....Illinois
Drissen, William Henry.....Wisconsin
Empie, William Maxwell.....Illinois
Fountain, Edwin Ray.....Oregon
A.B., University of Oregon
Frazin, Nathaniel Daniel.....Illinois
Frey, Arthur Garfield.....Illinois
A.B., Valparaiso University
Frisque, Louis Leon.....Wisconsin
D.D.S., B.S., Marquette University
Fry, John Lewis.....Illinois
Galbreath, Russell Sheridan.....Indiana
Ghent, Charles Harry.....Illinois
Gillette, Charles Lupton.....Iowa
Given, Milton Abe.....Indiana
Glafke, William Harley.....Washington
A.B., University of Oregon
Goodman, Charles.....Illinois
Gunderson, Harley James.....Wisconsin
Gutierrez, Perpetuo Dionisio.....
Philippine Islands
Hall, Clarence Walter.....Illinois
Hamilton, William Forrest.....Illinois
Hammer, Arthur Wesley.....Illinois
Hannah, Ward.....England
B.Di., Iowa State Normal School
Hanson, Adolph Melanchton.....Minnesota
Hauberg, George David.....Iowa
Henkel, Herbert Bailey.....Illinois
Hobbs, Charles Alfred, Jr.....Illinois
A.B., Brown University
Hofrichter, Joseph.....Illinois
Hole, Melvin Leo.....Illinois
Holmes, William Hammond.....Ohio
Howell, Chauncey Wyckoff.....Illinois
B.S., Knox College
Ingle, Ernest Wilfred..... South Africa
Iherwood, Paul Alonzo..... Illinois
Jackson, Alva Albertus Sudbury.....Utah
James, John Barlow.....North Dakota
James, William Alfred.....Illinois
Johnson, Edward Enoch.....Minnesota
Ph.G., University of California
Johnson, Norton Theodore.....Minnesota
Johnston, Louis Campbell.....Illinois
Jones, Jay Glen.....Ohio
Julien, Eric Alfred.....Minnesota
King, William Scott.....Illinois
Lacey, Martin.....Washington
Ph.G., University of Washington
Lagorio, Frank Ambrose.....Illinois
A.B., St. Ignatius College
Lande, Benjamin.....Minnesota
Leaf, Hugh Mack.....Illinois
Lee, William Andrew.....Illinois
A.B., Central Normal College
Leininger, Elmer Clyde.....Indiana
Leonard, Alonzo Newport.....Utah
Leviton, Nathan David.....Illinois
McCloskey, Richard Clyde.....Illinois
B.S., University of Chicago
McKinney, Frank Stewart.....Illinois
A.B., Illinois College
Mabee, Melbourne.....Wisconsin
Macklin, Robert Kirkpatrick.....California
Maechtle, Everett Woods.....Wisconsin
Magnus, Adolph Marinius.....Illinois
Meixner, Fred Morris.....Illinois
Ph.G., University of Illinois
Mendelson, Ralph Waldo.....Colorado
Merbitz, Martin Henry.....Illinois
Miller, John William.....Pennsylvania
Moyes, George Gowans.....Utah
Murphy, John Clarence.....Wisconsin
Murphy, Lea Marion.....Minnesota
Murphy, Walter Waugh.....Kansas
A.B., Northwestern University
Nardi, John Baptist.....Illinois
Neilson, Moses Marion.....Utah
Newton, Abe Mark.....Illinois
Nichols, Robert Columbus.....Iowa
A.B., Morningside College
Nusbaum, Payson La Vern.....Indiana
B.S., Northwestern University
Nyberg, Charles Robert.....Minnesota
O'Donoghue, Thomas Joseph.....Illinois
O'Neill, Eugene John.....Illinois
A.B., St. Ignatius College
Orr, Wesley Frederick.....Minnesota
Parker, Harry Counter.....Indiana
Patejdl, James.....Illinois
Ph.G., Illinois College of Pharmacy
Patton, Ambler Baxter.....Utah
B.S., Northwestern University
Peterson, Frederick Leander.....Utah
Pitts, Gaylord Eugene.....Wisconsin
Porter, John Rice.....Illinois
Preston, Frenn Lesley.....Michigan
Reed, Stanley Goodrich.....Kansas
Ritze, John Adam.....Missouri
Rolnick, Harry Charles.....Illinois
Ross, Hiram Earl.....Illinois
Rush, Eugene Alphonsus.....Illinois
Ph.G., Notre Dame University
Salter, Ney Milton.....Illinois
B.S., Hedding College
Schmidt, Karl Herman.....Illinois
Schnoor, Elmer Wellpott .....Nebraska
Schultz, Albert Andrew.....Iowa

Schulz, Otto Henry.....Illinois
D.D.S., Northwestern University
Schurmeier, Harry Leach.....Minnesota
Schwartz, William Augustus.....Wisconsin
B.S., Ohio Northern University
Seeger, Stanley Joseph.....Wisconsin
Shalett, Benjamin Joseph.....Minnesota
Shiley, Jo Riegel.....Iowa
Shirley, John Chandler.....South Dakota
Shreffler, Arthur Lee.....Illinois
Sincock, Henry Arthur.....Minnesota
Smith, Alfred Nelson.....North Dakota
Smith, Clyde Tennyson.....Utah
Sorgatz, George Frederick.....Kansas
Spurbeck, Roy George.....Minnesota
Stewart, Lynn.....Utah
Stocks, John Carter.....Utah
Stranberg, Walter Leonard.....Illinois
Strauss, Chauncy Walter.....Iowa
Sutton, Don Carlos.....Illinois
Sybenga, Jacob John.....Iowa
Van Doren, Raymond Fleming.....Illinois
Vermeer, Gerrit Edward.....Iowa
Watters, Henry Gustav.....California
Wessels, Andrew Benjamin....South Africa
Wilkinson, Barclay.....Chicago
Ph.G., Northwestern University
Williams, Percival Milton....South Dakota
Ph.G., B.S., South Dakota Agricultural College
Winter, George Victor.....Minnesota
Witcpalek, William Wencel.....Wisconsin
Wolfermann, Sidney Jonas.....Illinois
B.S., University of Chicago
Wright, Edward Blake.....Canada

THIRD YEAR

Abramsky, William Alexander.....Illinois
Badcon, Sidney Watson.....Utah
Bane, William Mathews.....Colorado
B.S., Princeton University
Benyas, Nathan Morris.....Wisconsin
Bleifuss, Walter Franklin.....Minnesota
B.S., Northwestern University
Boren, John William.....Wisconsin
B.S., Northwestern University
Boswell, Harry Dillman.....Oklahoma
B.S., University of Nebraska
Bucher, Claude Earl.....Wisconsin
Cartwright, Emor Lopp.....Ohio
Clarke, Thomas.....Wisconsin
A.B., Marquette University
Cooper, Thaddeus Constantine.....Iowa
Cummins, Erwin Jeptha.....South Dakota
Darling, John Chester.....Oklahoma
M.S., University of Oklahoma
Davis, James Robert.....Missouri
Dearborn, Walter Fenno.....Illinois
Ph.D., Columbia University
Devers, Washington Irving...South Dakota
Dorr, Addison Michael.....Wisconsin
Eberhard, Frederick George.....Indiana
Eckstein, Arthur William.....Minnesota
Ph.B., University of Minnesota
Flack, William.....Ohio
Flynn, Leo Howard.....Illinois
Freed, John Elias.....Indiana
Gibson, Willis Stanley.....Illinois
A.B., De Pauw University
Goodman, Jacob.....Illinois
Ph.G., University of Illinois
Hagerty, Thomas Walter.....Illinois
Hallberg, John William.....Michigan
Hankins, Harry Gordon.....South Africa
Hardy, Oscar Roi.....Utah
Harrington, Raymond Regan.....Illinois
Hayes, Daniel Francis.....Illinois
Heller, Frederick Merwin.....Colorado
B.S., Northwestern University
Heller, Matthew, Jr.....Kansas
D.D.S., Northwestern University
Hirschle, Harry Griffith.....Illinois
Jaros, Joseph Francis.....Illinois
Kappelman, Fred William.....Wisconsin
Kinney, Fred Johnson.....Iowa
Knapp, Arthur Leroy.....Indiana
B.S., D.D.S., Valparaiso University
Laraway, Charles Riley.....Iowa
Macer, Clarence Guy.....Indiana
McCluer, Barton Bates.....Virginia
McGuire, William Aloysius.....Illinois
A.B., St. Viateur College
McLaughlin, Warren Bastian.....Illinois
Markson, David Edmund.....Illinois
Marrs, Frederick Adison.....Illinois
Ph.G., Purdue University
Michael, Herman Charles.....Indiana
Ph.G., University of Iowa
Morton, Warren Ralph.....Kansas
A.B., University of Kansas
Moss, Charles Taylor.....Illinois
A.B., University of Illinois
Mostrom, Henning Theodore.....Illinois
Murayama, Mitogoro.....Japan
Neal, William Bartle.....Oregon
A.B., University of Oregon
Oliver, Marcus Solomon.....Iowa

Ovitz, Ernest Gayheart.....Wisconsin
Packard, Robert Goodale.....Colorado
A.B., University of Colorado
Parks, Charles William.....Nebraska
Porter, James Arthur.....Iowa
Ph.G., Highland Park School of Pharmacy
Printy, Emmet Anthony.....Illinois
Roche, Richard Ambrose.....Illinois
Samson, Bernardo.....Philippine Islands
Ph.G., Northwestern University
Smith, Charles Henry.....Illinois
Sullivan, Charles Peter.....Illinois
Taylor, William Ray.....Oregon
A.B., University of Oregon
Thompson, William John.....Wisconsin
Tilton, Welcome Blaine.....Missouri
A.B., William Jewell College
Turner, Gus Burton.....Illinois
Van Alstine, Guy.....South Dakota
B.S., Dakota Wesley University
Wedel, Frank Leroy.....Indiana
Whitaker, Ben Tallman.....Iowa
Zeisler, Erwin Paul.....Illinois
A.B., University of Chicago

SECOND YEAR

Alderson, Albert Lee.....Illinois
Allen, Laurie Lee.....Virginia
A.B., University of Illinois
Alt, Roy Colony.....Iowa
Bartling, Carl Herman.....Illinois
Bell, James Stewart.....Nebraska
Bolstad, Herbert Clarence.....Illinois
Boodel, John Cullen.....Illinois
Boody, Fred Joseph.....Iowa
Breitling, Carl Adolph.....Illinois
Brown, Earle Godfrey.....Kansas
Burke, Gordon.....Canada
A.B., University of Washington
Casey, Clyde Lowe.....Illinois
Cobb, Ralph Benjamin.....Illinois
Conley, Willard Thomas.....Iowa
D.D.S., Northwestern University
Curtis, George Nathaniel.....Utah
Curtis, Roswell Goodrich.....Illinois
Del Beccaro, Edward Vincent.....Illinois
A.B., St. Ignatius College
Drew, Arthur Wheeler.....South Dakota
Ph.G., South Dakota Agricultural College
Farnham, Harry Rathbun.....Ohio
Felts, Harvey Austin.....Illinois
Fenn, George Karl.....Wisconsin
Fillis, Benjamin Earl.....Iowa
Fouser, Chester Watson.....Illinois
Gray, Herbert Weir.....Illinois
Griffin, Patrick Joseph.....Minnesota
Gueffroy, Herman August....South Dakota
Hawthorne, Roy Otway.....Illinois
Hobart, Wilson Keith.....Kansas
Hogue, Hal Wyman.....Ohio
Hudson, Harry Hackney.....Kansas
Hutter, Charles George.....Illinois
Isacowitz, Harry Theabus.....Illinois
Jamieson, Roy Ross.....Minnesota
Ph.C., University of Minnesota
Kahn, Jacob.....Illinois
Koch, Sumner Leibnitz.....South Dakota
A.B., Hamline University
Lezama, Joseph Elias..British West Indies
McKenna, Charles Hugo.....South Dakota
Magee, Ira Joseph.....Iowa
M.Di., Iowa State Normal School
Mangan, Louis Aloysius.....North Daikota
Morgan, Ben.....Illinois
Morrill, Louis Grant.....Michigan
Nadler, Walter Herman.....Illinois
B.S., Northwestern University
Nedry, Galen Claudius.....Kansas
Nilsson, Martin Morris.....South Dakota
O'Brien, Louis Thomas.....Indiana
Pazdrey, Ivan Constantine.....Austria
Pfeifer, Andrew Saemann.....Wisconsin
Pfeifer, Edward Charles.....Wisconsin
Phalen, Charles Stephen.....Illinois
Ph.G., Northwestern University
Piper, William Albert.....Illinois
Rosenblum, Philip.....Illinois
Ryan, Albert Freeman.....Tennessee
Scantleton, John Martin.....Wisconsin
Scott, Russell Adams.....Indiana
A.B., Lake Forest College
Shiveley, Franklin.....Illinois
Siegel, Abraham Morris.....Illinois
Smith, Milton.....North Dakota
Spilman, Harold Augustus.....Iowa
Sprafka, Andrew Nickolas....North Dakota
Stafford, Charles Floyd.....Washington
Ph.C., University of Washington
Van Dusen, Arthur.....Oregon
Vangsness, Ingmar.....Minnesota
Van Hook, Forest Clyde.....Illinois
A.B., University of Illinois
Young, Joseph Howard.....Wisconsin

FIRST YEAR

Allen, David Kimball.....Utah
Barancik, Henry.....Illinois
Bell, Hubert.....Nebraska
B.A., University of Nebraska
Billingsley, Paul Raymond.....Iowa
B.S., Cornell College
Black, George De Alton.....Ohio
Boswell, Clarence Henry.....Illinois
Bryan, Arthur Levin.....Iowa
Crofton, Joseph Francis.....Canada
Dargan, Clarence.....Illinois
A.B., St. Ignatius College
Dawson, Julian.....Georgia
A.B., Fisk University
Denton, William.....South Dakota
D.D.S., Northwestern University
Doktorsky, Philip Harry.....Illinois
Dudman, Virgil.....Illinois
B.S., Illinois Wesleyan University
Eldred, Charles Dudley.....Illinois
Ph.B., Yale University
Elstad, Clarence.....Minnesota
Errickson, William.....Wisconsin
Ph.B., University of Minnesota
Graham, Otis Lee.....Ohio
Grogan, John Sebastian.....Illinois
B.S., Knox College
Handmacher, Walter.....Illinois
Hanson, Edward.....Wisconsin
Hightower, Clarke Matthews.....Illinois
A.B., Austin College
Hofstad, Oscar Mathew.....Iowa
Honan, William Patrick.....Illinois
A.B., Christian Brothers College
Katerndahl, Carl.....Wisconsin
Kidder, William Jerome.....West Virginia
Kleinmann, Francis.....Minnesota
Kriechbaum, Walter Philip.....Iowa
Kurtz, John Jacob.....Michigan
Lebowitz, Joseph.....Illinois
Linowiecki, Anthony Joseph.....Illinois
Lowell, Harry Matthew.....Illinois
Mason, Madison Charles Butler, Jr....Ohio
Moulton, Everett Crockett.....Arkansas
B.S., Northwestern University
Nyvall, Clarence Ambrose.....Montana
Palmer, Lester Joerg.....Washington
Paulsen, Thomas Christian.....Louisiana
B.S., Louisiana State University; D.V.M., Chicago Veterinary College
Paulus, David Dave.....Wisconsin
Peterson, Henry Ellis.....Minnesota
Ph.G., University of Minnesota
Pierce, Charles Harrison.....Minnesota
Pittman, Flake Harry.....Illinois
Porter, Ralph Orlando.....Utah
Priem, Harry William.....Iowa
B.S., Northwestern College
Prout, Robert Ira Cole.....Michigan
Redmon, James.....Illinois
Richards, Joseph Lee.....Illinois
Ring, John Richard.....Iowa
Rosenstiel, Max.....Illinois
Schaus, Joseph Deaken.....Wisconsin
Shaweker, Max.....Ohio
Ph.C., Ohio Northern University
Shepherd, Brownie Fielding.....Indiana
Slominski, Harry.....South Dakota
Smith, Robert Emmett.....Illinois
Stiers, John Wilford.....Colorado
Sturgeon, John Howard.....Kansas
Sweany, Henry Claris.....Oregon
Thornton, John William.....Iowa
Towey, John William.....Minneapolis
Vehe, Karl Leroy.....Illinois
Vernor, John Harold.....Illinois
Webb, Marc Archie.....Wisconsin
Williams, John Jun or.....Illinois
Wise, Oliver Cady.....Illinois
Wood, Cyrus Boynton.....Illinois
B.S., Northwestern University
Zimmerman, Harold.....Illinois
Zweber, Herman.....Minnesota

UNCLASSIFIED

Alcock, Nathaniel Graham.....Wisconsin
M.S., Northwestern University
Armstrong, Walter Waldo.....Ohio
Beckstrom, Robert Carl.....Nebraska
Bice, Delmar Foster.....Iowa
Bohling, Bernard Stanton.....Iowa
Campbell, Guy Edward.....Minnesota
Christoph, Carl Henry.....Illinois
Coffey, Roy Calhoun.....Illinois
B.S., Northwestern University
Cotton, Wendell.....Wyoming
Goenne, William Carl.....Iowa
Gunn, Neil Mackay.....Illinois
Hall, Frank Wilford.....Illinois
Hammond, Francis Peery.....Utah
Heidel, Cecil Theodore.....Minnesota
Hilton, Joseph Jacobson.....New Mexico
Hoesley, Henry Franklin.....Illinois
Jacobs, Frederick Casper.....Illinois
A.B., De Paul University

James, Harry Lorenzo.....Illinois
Johnson, Roy Winton.....Illinois
B.S., Central College
Klamt, Anton Karl.....Nebraska
Ph G., Fremont College of Pharmacy
Krzysko, Stanley Leon.....Wisconsin
Lazarski, Boleslaw Karl.....Illinois
Lebovitz, Jacob.....Illinois
Nibley, James Ora.....Utah
Nolan, Thomas James.....Illinois
Ph.G., Northwestern University
O'Meara, James John.....Michigan
Perkins, Edgar Verne.....Illinois
B.S., Central Normal College
Rest, Oscar Walter.....Iowa
A.B., Charles City College
Robertson, Arthur Thomas.....Illinois
Rudolph, Louis.....Illinois
Schwerdtfeger, Frank .....Iowa
Sissakian, Kerope Hartin.....Nebraska
A.B., Roberts College, Constantinople, Turkey
Steele, Pierre Abel.....Illinois
Stelter, Emil Joseph.....Illinois
Sumkowski, Leonard Sylvester.....Illinois
Tressel, Henry Arthur.....Indiana
Van Rie, Leo Paul.....Indiana
Ph.G., Notre Dame University
Vaughan, Orley Mason.....Michigan
Woodward, Asa George.....Montana
Woodward, Frank Albert.....Montana
Yeck, Charles Walter.....Illinois
A.B., University of Illinois
Yonan, Nabey..... .... ..Persia
A.B., M.D., Uroomian College; Durmia College, Persia
Young, James McClain.....Illinois

SPECIAL STUDENTS

Doust, Horace Tyner.....Washington
Gerry, Alex LeRoy.....Michigan
B.S., Michigan College of Mines
Graham, Harry, M.D... . .....Illinois
Ikemire, John Andrew, A.B., M.D ....Illinois
Knotts, Roy, M.D .....Arizona
Wentzingerode, E. V .....Illinois

TRAINING SCHOOL FOR NURSES

Anderson, Ella, Englewood.....Illinois
Ankeny, Anna Faith, Wesley.....Illinois
Bailey, Faith, Wesley.....Illinois
Barnes, B., Mercy.....Illinois
Bartell, Helen, Merch .....Wisconsin
Benneron, Maude, Wesley.....Illinois
Bergstrom, Olga, Wesley.....Illinois
Bertran, G. N., Wesley.....Illinois
Biggs, Nellie, Wesley.....Illinois
Blair, Edith Jane, Wesley.....Illinois
Blakeledge, Ruth P., Wesley .....Illinois
Bogardus, Mary J., Wesley.....Illinois
Boone, Lulu, Wesley .....Illinois
Bovard, Alma, Wesley .....Illinois
Bradley, Florence, Mercy.....Illinois
Bratton, Hazel, Wesley.....Illinois
Brewington, Frances R., Wesley .....Illinois
Brock, Nettie Estelle, Wesley.....Illinois
Brophy, Annette, Mercy.....Iowa
Brophy, May, Mercy.....Iowa
Brown, Clarissa, Evanston.....Illinois
Browne, Elizabeth, Mercy.....Illinois
Buck, Genevieve Mary, Mercy .....Illinois
Cahill, Bessie, Mercy.....Illinois
Chambers, Dora, Wesley.....Illinois
Cook, Orpha, Wesley.....Illinois
Cox, Edna, Englewood.....Illinois
Cumming, Lola, Englewood.....Wisconsin
Cunningham, Alexzenia, Provident...Illinois
Daly, Cecille, Mercy .....Illinois
Dame, Marjorie, Wesley.....Illinois
Davidson, Blythe, Mercy .....Illinois
Davis, M. J., Wesley.....Illinois
Dixon, Blanche, Provident.....Illinois
Donohue, Edith, Wesley.....Illinois
Dorsey, Josephine, Mercy.....Illinois
Dunnum, Matilde, Englewood ....Wisconsin
English, Victoria, Evanston.....Canada
Erickson, Harriet, Mercy .....Illinois
Fahney, Mary, Mercy.....Minnesota
Fletcher, Minnie, Provident.....Illinois
Gaffney, Stella, Merch.....Illinois
Gear, Myrtle, Wesley.....Illinois
Goettymann, Stella, Wesley.....Illinois
Gormley, May, Mercy.....Wisconsin
Greenwood, Libbie, Merch.....Illinois
Gretter, Garnet, Special.....Illinois
Gustafson, Clara, Wesley .....Illinois

Hale, Sarah, Provident .....Illinois
Hampton, Mary, Provident .....Illinois
Hannan, Gertrude, Mercy.....Illinois
Harris, Sadie, Provident .....Illinois
Haskett, Charlotte, Mercy.....Illinois
Hayes, Ruth, Wesley.....Illinois
Haygood, Mae, Provident.....Illinois
Heimbuecher, Janette, Mercy.....Missouri
Hessman, Frances, Mercy .....Illinois
Hilabold, Virginia, Wesley .....Illinois
Hodges, Bessie A., Mercy.....Illinois
Holliday, M. B., Wesley.....Illinois
Hughes, Teresa, Mercy.....Illinois
Jansen, Ethel, Mercy .....Illinois
Johnson, Flora, Wesley.....Illinois
Johnson, Hulda, Englewood.....Illinois
Kendell, Ernestine, Mercy .....Illinois
Kessler, Martha, Wesley.....Illinois
King, Mary, Mercy.....Michigan
Kinsella, Agnes, Mercy.....Iowa
Knight, Gertrude Alice, Wesley .....Illinois
Knight, Marie, Mercy.....Wisconsin
Langdon, Maude, Mercy.....Wisconsin
Larson, Delia, Englewood.....Wisconsin
LeBon, Mabella Salaedo, Mercy.. California
Lincoln, Lucy, Evanston.....Illinois
Lind, Jennie, Evanston.....Illinois
Longley, Eva, Evanston .....Illinois
Lorton, Mary Page, Evanston.....Ohio
Lyons, Della, Englewood .....Illinois
McAuliff, Mary, Mercy.....Missouri
McCall, M., Mercy.....Illinois
McCormick, Josephine, Mercy.....Indiana
McDermott, Ina, Mercy .....Wisconsin
McKinnon, Elizabeth, Mercy.....Illinois
Mac Namara, Johanna, Mercy.....Illinois
Mac Vicar, Ella Monks, Mercy.....Illinois
Mack, Pauline S., Mercy.....Illinois
Messingill, Ella, Evanston.....Illinois
Meyer, Harriet, Wesley.....Illinois
Miles, Maude, Wesley.....Illinois
Moon, Glenadine, Englewood ....Wisconsin
Motl, Josephine, Mercy.....Wisconsin
O'Donnell, Mary, Mercy.....Illinois
O'Leary, Agness, Mercy.....Iowa
Olsen, Charlotte, Mercy .....Illinois
Pelstrong, Elsie, Mercy.....Illinois
Radcliffe, Alice, Evanston.....Illinois
Raduns, Clara, Mercy.....Illinois
Ranning, Frances, Mercy ..... Minnesota
Rauh, Rosina, Mercy.....Ohio
Ream, Candace, Englewood..... ...Indiana
Redd, Clyde, Provident.....Illinois
Reed, Margaret, Mercy.....Illinois
Rehe, Anna, Mercy .....Illinois
Robb, Isabelle, Mercy.....Illinois
Ronan, Anna, Mercy.....Illinois
Rouge, Martha A., Wesley.....Illinois
Roundtree, Ada, Provident..... .....Illinois
Rummler, Alice, Evanston .....Illinois
Seeger, Pauline, Mercy .....Ohio
Shaver, C., Wesley.....Illinois
Smith, Delva, Wesley .....Illinois
Smith, E., Mercy .....Illinois
Smith, Sarah Elizabeth, Wesley.....Illinois
Sperry, Celestine, Mercy.....Illinois
Stoner, Eva, Mercy .....Illinois
Sullivan, Catherine, Mercy.....Illinois
Sullivan, Ella, Mercy.....Illinois
Thulis, Irene, Mercy .....Illinois
Thompson, Mona, Mercy.....Canada
Titterington, Susan, Wesley.....Illinois
Traill, Catherine J., Wesley .....Illinois
Treat, Ethel, Provident.....Illinois
Turner, J. Maude, Mercy..... ...Indiana
Virtue, Orpha, Wesley.....Illinois
Von Bergen, Emma, Wesley.....Illinois
Vooard, A., Wesley.....Illinois
Walker, Goldie, Provident.....Illinois
Walsh, Edith, Mercy.....Illinois
Weber, Adaline, Mercy.....Iowa
Wenck, Ida L., Englewood.....Minnesota
Wennberg, Edith, Englewood.....Illinois
White, N. Rhea, Wesley.....Illinois
Whoolery, Belva, Wesley.....Illinois
Wilson, Kathryn, Mercy.....Illinois
Wilson, Nora, Mercy.....Illinois
Yocum, Wilhelmina, Evanston.....Illinois

Law School

GRADUATE

Blake, Guy Minnich, A.B., LL.B. Northwestern University.....Chicago
Hopkins, John Lamar, A.B. University of Mississippi, J.D. University of Chicago ..
..... Hickory, Miss.
Loucks, Vernon Reece, A.B., LL.B. Northwestern University.....Chicago
Maxwell, Arthur Hall, M.A. University of Nebraska.....Belle Fourche, S. D.

REGISTER OF STUDENTS 1910-1911

THIRD YEAR

Ackerman, Benjamin P.....Chicago
Baker, James C., Northwestern University.....Garrett, Ind.
Baron, Edward Everett, Lewis Institute.....Sioux City, Iowa
Bates, Alben Frederick, Lake Forest University.....Elmhurst
Beck, Alphons A.....Chicago
Bloom, Irwin, University of Michigan.....Chicago
Clarke, Michael James.....Clinton, Iowa
Dinkelman, Harry Alfred.....Chicago
Dyer, Charles Furness, University of Illinois.....Hoopeston
Evans, Donald Winslow, Northwestern University.....Evanston
Fleming, Joseph Barclay, B.S., Valparaiso University.....Chicago
Frazier, Herbert Lyman Thomas.....Lost Nation, Iowa
George, Raymond Henry, University of Wisconsin.....Monticello, Iowa
Harwood, Francis Laird, A.B. Northwestern University.....Evanston
Healea, George Thompson.....Uhrichsville, Ohio
Helander, William Eugene.....Chicago
Herman, Maxwell.....Chicago
Hochbaum, Edward Abraham.....Chicago
Hoffman, Richard Yates, B.S. Hobart College, Cornell University.....Chicago
Hollett, George Lyon, Yale University.....Evanston
Hoy, Alfred C.....Naperville
Ingal, Nellie Kenner, Syracuse University.....Poughkeepsie, N. Y.
Jenkins, Claude Carl, Lewis Institute.....Chicago
Kraus, Samuel.....Chicago
Large, Shelby LaVerne, A.B. Leland Stanford University.....Owaneco
Lehner, John Conrad, A.B. University of Illinois.....Stockton
Love, Stephen.....Chicago
Loy, Charles Edward.....Snohomish, Wash.
Lucius, Edward Bulnes, A.B. University of Michigan.....Chicago
McKinstry, Irwin Roy.....Beaver Dam, Wis.
McWilliams, Charles Milton.....Waco, Tex.
Mirus, James Oscar.....Chicago
Morheiser, William Mathew, Northwestern University.....Chicago
Muehlenbrink, Otto William.....College Point, N. Y.
Navigato, Frank Paul Anthony.....Chicago
Parish, Cheaney Land.....Harrisburg
Peck, George Franklin, University of South Dakota.....Sioux City, Iowa
Peifer, Edwin Tice, University of Michigan.....Chicago
Pio, James Percival, Lewis Institute.....Chicago
Ramaciotti, Frank Anthony.....Chicago
Reid, Wallace.....Chicago
Reinke, Julius.....Marinette, Wis.
Resnick, Irving Joseph.....Chicago
Riley, Thomas Henry.....East Chicago, Ind.
Robinson, Earl Jay, University of Wisconsin.....Fort Dodge, Iowa
Rommel, Jasper Frederick, B.S. Northwestern University.....Bloomington
Ruffcorn, George Washington, Yale University.....Ashland, Ohio
Schaeffer, Morris.....Chicago
Schmidt, Royal Joe, Lewis Institute.....Davenport, Iowa
Schupp, Robert William.....Chicago
Schwarer, Frank Benjamin.....Chicago
Shannon, Frederick Edward, A.B. Lake Forest University.....New Philadelphia

Sheridan, Thomas H., George Washington University.....Moultonboro, N. H.
Slagle, John Saunders, A.B. Drury College.....Sedalia, Mo.
Smith, George Dresser, Ph.B. Yale University.....Chicago
Stenge, Bernhard.....Chicago
Stretton, Frank Peter.....Chicago
Tascher, John Ralph, A.B. New Mexico State University.....Chicago
Thomas, John Dobson, University of Wisconsin.....Chicago
Tuttle, Oral Percival.....Harrisburg
Veeder, Paul Lansing, A.B. Yale University.....Chicago
Waldron, Carl Augustus, Illinois State Normal.....Chicago
Walker, Joel Phillips, Bethel College.....Horn Lake, Miss
Wermuth, William Charles, Jr., B.S. Northwestern University.....Chicag
Whipple, Merrick Ames.....Chicago
Wolf, Alexander.....Chicago

SECOND YEAR

Atwood, Ivan, J. B., Northwestern University.....Chicago
Barker, Will Louis.....De Kalb
Beshoar, Bertram Bruno, University of Michigan.....Trinidad, Colo
Bierwert, Don J.....Wilmette
Bliss, Isadore Jacob.....Russia
Bowen, Fred Henry.....Chicago
Broehl, Leland Peter, Northwestern University.....Pana
Brooks, James William, St. Ignatius College.....Chicago
Cascaden, Gordon Leroy.....Iona, Ontario, Canada
Chayes, Harold Irving.....Chicago
Christopher, Otto William.....Chicago
Churchill, Fred C., A. B. Lake Forest College.....Joliet
Clark, Homer Harrison, Northwestern University.....Onarga
Cleary, Lee Vincent, A.B. St. Mary's College.....Odell
Cohen, Meyer, University of Chicago.....Chicago
Cohen, Jacob.....Chicago
Donnelly, John Carroll.....Chicago
Dreffein, Robert C., A.A. Lewis Institute.....Lovington
Eberstein, Clyde.....Chicago
Elliott, Edgar John.....West Chicago
Everest, Robert Kirkbride, State University of Oklahoma.....Oklahoma City, Okla.
Farrell, Edward James.....La Grange
Fisher, George Farnsworth, Cornell University.....Chicago
Follansbee, Merrill Middleton, B.S. Dartmouth College.....Highland Park
Fowler, Glesner.....Clinton, Nev.
Gardner, John Dunham.....Dillonvale, Ohio
Geiman, Louis Harold.....Harvey
Gladstone, Meyer Herman, University of Chicago.....Chicago
Green, Hugh Parker, A.B. Illinois College.....Nashville
Gregory, Tappan, A.B. Yale University.....Chicago
Grigsby, Earle DeVerne, A.B. Hedding College.....Blandinsville
Gurley, Gladstone Eusebius.....Canton, Mo.
Hagerman, Harry Edwin, Northwestern University.....Mondon, N. D.
Hawxhurst, Waldo, Northwestern University.....Chicago
Hennings, Abraham James, A.B. Lake Forest University.....Barrington
Herr, Simon.....Chicago
Howard, Earl Edwin, University of Nebraska.....Lincoln, Neb.
Hubbard, John Darrow, A.B. Lake Forrest University.....Lake Forest
Huffman, Samuel Madden, A.B. Wittenberg College..... Springfield

Huszagh, Victor Lee, Amherst College.....Chicago
Jacobs, Lewis Balthaser, Lake Forest University.....Canton
Jenkins, Roger Philip, Northwestern University; Knox College.....Peoria
Kahn, Louis.....Chicago
Keyes, Carlyle Marlett, University of Chicago.....Chicago
Kosmerl, Francis S.....Chicago
Large, John Henry, A.B. Leland Stanford University.....San Jose, Cal.
Latham, Talmage Godfrey.....Chicago
Leviniski, Alexander.....Butte, Mont.
Lewis, Vernon Eddy, Northwestern University.....Fort Benton, Mont.
Long, Albert Stoneman, A.B. University of Chicago.....Chicago
Lynde, George Pleasants, A.B. Williams College.....Chicago
Lyons, John Carmon.....Chicago
Lyons, Thomas Frahcis.....Chicago
Manning, Arthur Francis.....Quincy
Mattinson, M. Clarence, Culver Military; University of Chicago.....Gibson City
Merrick, Clinton, A.B. Yale University.....Evanston
Mesirow, Benjamon Salmon, University of Illinois.....Chicago
Miller, James Arthur.....Russia
Minnich, George Arthur, A.B. University of Iowa.....Coon Rapids, Iowa
Murray, Walter Allen, Ph.G. University of Illinois.....Traverse City, Mich.
Nelson, George Howell.....Spring Valley
Nelson, Arthur William, Harvard Law School.....Anoka, Minn.
Odell, Carl Luther, Northwestern University.....Waterloo, Iowa
O'Hara, Barratt, Missouri State University.....Chicago
O'Toole, Lawrence James, A.B. DePaul University.....Chicago
Pincus, Sam.....Chicago
Pruitt, Raymond S., A.B. DePauw University.....Evanston
Rehn, A. Hjalmar.....Joliet
Reinhart, Otto Edwin, Illinois State Normal University.....Freeburg
Reinwald, Charles Anthony.....Chicago Heights
Richie, Clarke Bruce, University of Chicago.....Hinsdale
Shafer, Chester Arthur, Northwestern University.....Diagonal, Iowa
Shultz, Carleton Andrew, Northwestern University.....Aurora
Smith, Otis Edwin, University of Chicago.....Chicago
Springer, Jonas Robert, University of Illinois.....Robinson
Stahl, Floyd Meloy.....Augusta
Stainback, Ingram Macklin, A.B. Princeton University.....Somerville, Tenn.
Thompson, Glenn Alexander.....Chicago
Thompson, Elmer Orville, Lake Forrest University.....Chicago
Thomson, Melville Ray.....Chicago
Thulin, Fred.....Chicago
Tiedebohl, Edward Robbins, University of Chicago.....Chicago
Tucker, Hyman.....Chicago
Watson, Lewis Martin, A.B. Northwestern University.....Monon, Ind.
Wegg, Donald Russell, Harvard University.....Chicago
Westbrook, Ira Edward, Northwestern University.....Mansfield, Mo.
Wheelock, John Grey.....Hulls
Wynne, Lloyd.....Chicago

FIRST YEAR

Atwood, Ehpriam Henry, St. Johns Military Academy.....Chicago
Barco, Arthur Udell, A.B. McKendree College.....Edwardsville
Blumberg, Nathan Sidney.....Waukegan
Bown, Glenn Carlton, Lake Forest College.....Waterloo, Iowa

Bronston, William Hughes, Peekskill Military Academy.....Lexington, Ky.
Brown, Isidore.....Chicago
Brown, Leon Leonard, Northwestern University.....Cherry Valley
Bruce, Ray Forrest, Northwestern University.....Garrett, Ind.

Caldwell, Lewis Abe Henry, Mississippi State Normal School.....Bowerton, Miss.
Carroll, Merton Alfred, Northwestern University.....Evanston
Cascaden, Gordon Leroy.....New York City, N. Y.
Charnofsky, John Seymour.....Chicago
Clark, Neil C .....Prescott, Ariz.
Claussen, William C., Dixon College.....Chicago
Cushman, Moe Andrew.....Waterloo, Iowa

Dodge, Donald Davidson, A.B. Princeton University.....Chicago
Donnelly, John Carroll, Armour Institute.....Chicago
Duffy, John Thomas, St. Ignatius College.....Chicago
Earugey, Willard Phelps, Northwestern University.....Evanston
Ewen, John Meiggs, B.A., Yale University.....Chicago
Fernald, Robert Witham, University of Minnesota.....Chicago
Firey, Carl Roswell .....Aberdeen, S. D.
Fish, Cameron, West Point Military Academy.....Chicago
Geringer, Charles Martin.....Chicago
Goettsche, Harty Charles.....Chicago
Goldberg, Berthold Laflin, Northwestern University.....Chicago
Gorey, Edward Jerome.....Joliet
Greathouse, Joseph Felix, University of Kentucky.....Versailles, Ky.
Greig, James Ashton.....Chicago
Grubb, Paul Nuzum, B.S., Northwestern University.....Manston, Wis.
Hamburger, Leon Hoyt, University of Michigan.....Detroit, Mich.
Helweg, Fred Charles.....Fulda, Minn.
Herschel, Paul Emil Jr., Bradley Polytechnic Institute.....Peoria
Hilton, Charles Ordway, Northwestern University.....Evanston
Hollywood, Thomas Clemens.....Pekin
Hopkins, Harry Ross.....Chicago
Hottinger, William Henry, Jr.....Chicago
Hubbard, Clifford Leo, Northwestern University.....Rock Island
Hyland, William Aloysius Sebastian.....Grand Rapids, Mich.
Jensen, Anker Christian, Illinois Wesleyan University.....Ashkum
Jesselson, Max .....Chicago
Johnson, Charles Elmer.....Chicago
Johnson, Lawrence Charles.....Galva
Johnson, Marcus, L., Lewis Institute.....Park Ridge
Johnson, William H. A., St. Johns Military Academy.....Chicago
Julian, Charles Vandergrift, Wabash College.....Palatine
Karcher, Leonard Douglas, A.B. Williams College.....Oak Park
Kokes, Joseph Edward, Lewis Institute.....Chicago
Kraus, George Henry, Northwestern University.....Chicago
Kunz, Medard Alexander.....Chicago
Lovrien, Ned Royal.....Humboldt, Ia.
Luther, Eugene A .....Walnut
McKinney, Thomas McKinney, Miami University.....Chicago
McLaughlin, William Francis, University of Chicago.....Chicago
McLaury, Donald Bentley, A.B. Yale University.....Chicago
Macqueen, Winfield Nairn, Lewis Institute.....Chicago
Marshall, Alexander Hamilton.....Chicago
Middleton, Samuel Dale, Lewis Institute.....Austin
Munzer, Richard Theodore.....Chicago

Nolan, John Peter, Northwestern University ..... Chicago
Nuzum, Harold Nulton, Gonzaga College ..... Spokane, Wash.
O'Bryan, Edward, Jr., Yale University ..... Chicago
Padden, Edward James, University of Illinois ..... Chicago
Peterson, Herbert Ebrnhart, A.B. Knox College ..... Alpha
Powell, Albert Nicholas ..... Fairfield
Powell, Alexander James, University of Illinois ..... Fairbury
Ryan, Frank Millington, A.B. Harvard University ..... St. Charles
Senift, George Ray, Morningside Academy ..... Osmond, Neb.
Slakis, Anthony Andrew ..... Chicago
Souers, Glenn Hovey ..... Huntington, Ind.
Steake, Arthur Henry ..... Moth, N. D.
Strauschild, Herbert ..... Addison
Sweet, James Gerrons, University of Michigan ..... Buffalo, N. Y.
Tait, Melville Stuart, University of Chicago ..... Chicago
Templeton, Stuart John, A.B. Williams College ..... Oak Park
Tucker, William Browning ..... Oak Park
Underwood, Harold Percival, Dartmouth College ..... Elgin
Vilim, Mark Washington ..... Riverside
Waite, Raymond, A.B. Williams College ..... Chicago
Ward, Harold Goodman, A.B. DePaul University ..... Chicago
Watts, A. J. Smith ..... Morris
Weisberg, Albert ..... Chicago
Wilcox, Tracy Francis, Northwestern University ..... Hebron, Ind.
Wilford, John Cornelius, Ogden College ..... Bowling Green, Ky.
Williams, Temple, A.B. Williams College ..... Chicago
Wilmarth, Chester Agnew ..... Rockford
Wulff, Walter William (deceased) ..... Cary

COURSE IN GENERAL PRACTICE

Ackerman, Benjamin ..... Chicago
Anderson, Leonard E. ..... Anamosa, Iowa
Bamberger, Eugene Julius ..... Chicago
Feldman, William ..... Chicago
Felsenthal, Edward J., A. B., J. D., University of Chicago, ... Chicago
Fine, M. Laurence ..... Chicago
Kerr, William D., A. B. Northwestern University, LL.B. Wisconsin University .. Chicago
Keeney, Perry H., A.B. Harvard University ..... Chicago
Kuhn Jacob Paul, Wheaton College ..... West Chicago
Kusnik, Maximilian, M. D., University of Illinois, LL.B. Univ. of Chicago .. .... Chicago
Levin, Samuel, University of Illinois ..... Danville
Martin, Charles Chester, University of Chicago ..... Oak Park
Marvin, Arba Bryan, B. S. University of Wisconsin ..... Chicago
Marx, August Jr., Lewis Institute ..... Chicago
Mewhirter, David C ..... Chicago
Murray, Sidney Charles, Ph.G. Yale University ..... Davenport, Iowa
Myers, John Ward, University of Chicago ..... Chicago
Ogden, Dayton ..... Tiskilwa
Philp, Leonard Hacker ..... Polo
Randolph, Vernon C., LL.B., University of Michigan, LL.M. Yale University ..... Chicago
Tuthill, Richard Stanley, Jr., A.B. Williams College ..... Chicago
Wendland, Charles John, B.S. Northwestern University ..... Chicago
Wolf, Walter Bertram, A.B. Yale University ..... Chicago

SPECIAL

Beck, Marshall, Northwestern University.....Ada, Okla.
Berg, William Gordon.....Oak Park
Brown, Paul Donald, University of Illinois.....Glencoe
Case, Floyd Randolph, Hobart College.....Watertown, N. Y.
Ciralski, Philip Frederick.....South Bend, Ind.
Faulkner, Kames William.....Joliet
Hartman, Flora Madge, A.B. Cornell University.....Bozeman, Montana
Innes, Charles Gambrill.....Southerland, Iowa
McDermott, Aloysius Louis, A.B. Hedding College.....Chicago
Nadel, George S.....Chicago
Parker, Francis Warner, Jr., B.S., University of Chicago.....Chicago
Patterson, Perry Smith, University of Chicago.....Chicago
Reed, Vincent Merrifield.....Evanston
Shearer, Fred B.....Aurora
Snapp, Robert Douglas, University of Michigan.....Joliet
Tichenor, Myron Hawley, Jr., University of Wisconsin.....Oconomowoc, Wis.

College of Engineering

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Gibson, Earle S.....Evanston

REGISTER OF STUDENTS 1910-1911

Alt, Edward Emmons.....Chicago
Baird, John Clifford.....Chicago
Bose, Hemendra Nath.....Calcutta, India
Bowlus, Claude Arch.....Shiloh, Mich.
Bronson, Ried Raymond.....Evanston
Clapp, Charles Russell.....Evanston
Cole, Alvin Jerome.....Chillecothe, Mo.
Crow, Harker Alexander.....Kenton, Ohio
Crow, Horace Haight.....Kenton, Ohio
Dudley, Robert Earll.....Evanston
Ennis, Robert Hayes.....Evanston
Flanner, Frank.....Evanston
Forkell, Leroy Martin.....Chicago
Gemmill, Horace Glen.....Wilmette
Greene, Percy Clark.....Copenhagen, N. Y.
Gruhn, Oscar Louis.....Columbus, Wis.
Hale, Carrol Dwight.....Evanston
Henderson, Leland Forrest.....Evanston
Herrmann, Leon Charles.....Chicago
Hilton, Joseph Kennicott..Arlington Heights
Hobart, Murray Cassius..Albert Lea, Minn.
Johnston, Alden Miller.....Appleton, Wis.
Jones, Charles Herbert.....Evanston
Keller, John Nicholas.....Toledo, Ohio
Koerner, Frank Benjamin ..St. Joseph, Mo.
Kraft, Walter William.....Oak Park.
Little, Aaron James.....Milwaukee, Wis.
McCullough, George Seymour.....Evanston
McPherrin, William Lane Kansas City, Mo.
McPherson, Earle Steele.....Highland Park
Miller, Leroy G.....Chicago
Miller, Raymond C. W.....Chicago
Monroe, Lewis Orin.....Helena, Mont.
Mortenson, Lawrence J.....Racine, Wis.
Pasewalk, Lloyd Herman.....Norfolk, Neb.
Pennington, Paul.....Chicago.
Richards, Ralph Baldwin.....Evanston
Scanlan, George Anderson...Brooklyn, N. Y.
Schwarz, Ralph Abraham.....Chicago
Shaw, George W.....Muskegon, Mich.
Shipman, William Davis.....Evanston
Smith, Robert Hensley.....Chicago
Sterrette, Karl Herin.....Cobden
Stoekle, Erwin Rudolph.....Evanston
Swatek, Richard Arthur.....Chicago
Tynan, Theron Tiverton....Sheridan, Wyo.
Voak, Floyd Stanley...Worthington, Minn.
Ward, Josiah Frank.....Evanston
Werts, Clarence Beryl.....Seaton
Wheeler, Elliot.....Evanston
Whiting, Bruce Ingalls.....Evanston
Whitney, Richard Arthur.....Belvidere.
Willard, Edwin Ruthvan.....Chicago
Wood, Donald Gibson.....Evanston

School of Pharmacy

REGISTER OF STUDENTS 1910-1911

CANDIDATES FOR DEGREE

SECOND YEAR

Adams, William Charles.....Chicago
Anderson, Charles Clyde.....Geneseo
Andre, Lee Henry.....Mechanicsville
Babbitt, Harve Clare.....Cambridge, Nebr.
Baxter, David.....Montague, Mich.
Bergman, Willard Louis.....Chicago
Boarini, Edward Vincent.....Chicago
Brown, Vivus William.Chippewa Falls, Wis.
Buck, Roy Elmer.....Genoa
Bull, George Emanuel.....Chicago
Cady, Leo Melville..Grand Junction, Colo.
Campbell, Lloyd Bruce.....
New Plymouth, Idaho
Carlson, J. Leland.....Ogden, Utah
Cook, Jay J.....Iron Mountain, Mich.
Coughlan, Robert Emmert.....Chicago
Daudelin, Eugene Felix.....Chicago
Derebey, Harold Pericles.....Chicago
Dickey, James Harvey...Iroqois, So. Dak.
Donaldson, Robert Walter.....Polo
Donichy, Harry.....Morrison
Donnell, Madison Clayton...El Paso, Texas
Duffy, Mark Matthew.....Brandon, Wis.
Eftaxopoulos, Constantine Sotirion .Chicago
Eppelsheimer, Samuel.....Griswold, Iowa
Gimbel, Charles Leo.....Davenport, Iowa
Halliwell, John Phillip.....Odessa, Nebr.
Hanson, Selmer.....Canton, So. Dak.
Heffernan, Thomas Francis.....Chicago
Hendrickson, Alfred....Bismarck, No. Dak.
Henwood, Maxwell Butler....Prophetstown
Hill, Fred Leroy.....Kewanee
Hillebrecht, Herbert E...Columbia, So. Car.
Hoaglund, Clifford Paul....Ottumwa, Iowa
Hochschild, Tony Edwin....Horicon, Wis.
Johanson, Oscar H.....Chicago
Johnson, Bert Napoleon.....Batavia
Johnson, Melvin Lloyd.....Laromie, Wyo.
Kaufmann, Edward Samuel, Youngstown, O.
Kelley, John Francis.....Highwood
Kimlel, Edward.....Hammond. Ind.
Kohlmann, Albert James....Dubuque, Iowa
Kramer, Lee Edward.....Morrison
Little, Raymond Robert.....Leon, Iowa
McCann, Edward Brice.....Chicago
Mackh, Carl August.....Elgin
Miller, Henry Farris.....Olin, Iowa
Musser, William Seegmiller.....
Salt Lake City, Utah
Nesbit, Graham William.....Ogden, Utah
Newmann, Maurice Mayer.....Chicago
Nolting, Walter Otto.....Freeport
Nolan, Mary Cecilia.....Chicago
Noyes, Wynne Charles....Pleasanton, Nebr.
Painter, Clinton Blair.....Chicago
Park, Edward Louis.....Chicago
Parker, Clarence William..Lisbon, No. Dak.
Pulley, Walter Leon.....Marion
Rains, Ernest K.....Chicago
Renneckar, Carl Clayton.....Wilmette
Schaettgen, Arnold Fred....Dubuque, Iowa
Schoen, Leslie A.....Victor, Colo.
Sebbes, Fred John.....Chicago
Stewart, Roy Page.....Chicago
Stoll, Walter Oliver.....Joliet
Stoltz, Charles Benton.....Casey
Strassburger, Ernest.....Chicago
Summers, Roland McCord.....
Indiana Harbor, Ind.
Tanner, Winfred Erle.....Lewistown
Vurpillat, Joseph Bede.....Winnemac, Ind.
Wade, James William.....Fairbury
Weech, Robert Walter.....Elgin, Oregon
Wilson, Fred Douglas.....Meridian, Miss.
Worthington, Clyde Leonard.....Chicago
Zieske, Arthur Aaron..Watertown, So. Dak.
Zwack, John.....Chicago

FIRST YEAR

Ackemann, William Herman .....Elgin
Ahl, Herbert Clarence.....Moline
Bairnson, George Andrew .....Chicago
Beley, Fred William.....Livingston, Mont.
Bengston, John Albert .....Chicago
Berlin, Frank John.....Salida, Colo.
Biasi, Edward Cellestin...Dubuque, , Iowa
Bicknell, Arthur James.....Gosport, Ind.
Bowers, Thomas Alfred.....Salida, Col.
Brannon, Herbert Harrison..Circleville, Ohio
Bridges Thomas Grover....Paragould, Ark.
Bryant, Austin Siler.....Pratt, Kans.
Brzak, Eman John .....Chicago
Butler, William Edgar.... .Bainbridge, Ga.
Byrd, Lewis Herschel.....Carbondale
Campbell, William.....Chicago

Cappetta, Vincent Carmen .....Chicago
Carlson, Gunnar Emanuel.....Moline
Carr, Damon Hayes.....Bloomington
Carroll, Nova B.....Cambridge, Nebr.
Chandler, Elliott Talcott.....Compton
Coleman, Coral Cornelius.....Canton
Collins, Stanley Herbert.....Chicago
Cook, Lyell Fay.....Morrison
Corrie, Bennie.....Evanston
Cowan, Archibald.....Milford
Current, Fred Floyd.....Indianola
Davis, James Duncan.....Salida, Colo.
Day, Walter Jackson.....Pecatonica
Drum, Leland Edward.....Stryker
Dunlap, Leland Harold.....Knoxville, Iowa
Estes, Edward Reuben ...Henderson, Minn.
Etnyre, Lee Ernest.....Oregon
Felger, Frank Fred.....Norfolk, Nebr.
Fieselmann, Sidney Frederick.....Peoria
Finney, David Bertrie.....Petersburg
Frantz, Harry Erle.....Winthrop, Iowa
Frizzell, Lewis, Jr.....Vienna
Frock, Lisle Price....Colorado Springs, Colo.
Garver, Clarence Earl.....Bremen, Ind.
Gordon, Leslie Albert.....Havana
Groome, Percy Samuel..Yankton, So. Dak.
Hatch, Arthur Clarkson.....Creston, Iowa
Held, Ernest Alfred.....Clay Center, Kans.
Hoelzel, Vincent.....Chicago
Huber, Otto Anthony.....Newton
Huber, Paul Robert .....Chicago
Irvine, Lionell Elmore .....Chicago
Johnson, John Elmer .....Chicago
Jones, Durmand.....LaCrosse, Wis.
Jordan, Thomas Gilbert.....Barton, Wis.
Kennelley, Elmer J.....Chicago
Koch, Lawrence.....LaPorte, Ind.
Laval, Carl Floyd.....Evansville, Ind.
McClean, Albert Joseph.....Farley, Iowa
McDonald, James Henry, Jr. .....Chicago
MacCoy, George James.....Oak Park
Maggid, Nathan.....Chicago
Mars, Hartley Farnham....Newport, Minn.
Mauk, Guy.....Martinsville
Melgaard, Goldie Annetta..Volin, So. Dak.
Miller, Joseph Benjamin.....Clayton
Moffatt, Brice Pressly.....Troy, Tenn.
Nandedkar, Mahader Abaje.....
Mhow, Central India
Nash, Will Wells.....Ripon, Wis.
Needham, Francis Joseph.....Victor, Colo.
Nussle, Eugene Otto.....Granville
Nix, Leroy Anthony.....Chicago
O'Daniel, Ellis John.....Chicago
Owen, Gay.....Carthage
Palmer, Hilding F.....Morrison
Palumbo, Michael Archangel.....Chicago
Pettersen, Holger.....Chicago
Potter, James Zadock.....Piggott, Ark.
Puckel, Joseph Roy.....Rockford
Pulley, Guy Lincoln.....Marion
Quirk, Irwin Leo.....Dyersville, Iowa
Rankin, Nellie.....Oil City, Penn.
Reich, Albert Emil.....Mazomanie, Wis.
Reihansperger, Charles John..West Chicago
Rothe, William George.....Crawford
Schaller, Frank William.Yankton, So. Dak.
Schulze, Herman Anthony...Ossian, Iowa
Sieber, John Andrew.....Evanston
Siedenfuss, John.....Rock Island
Sinclair, Scott.....Woodstock
Sorlin, Oswald.....Chicago
Stadelmann, Oscar Lenz..Mazomanie, Wis.
Stinger, Arthur Charley.....Cresco, Iowa
Stone, Rosco.....Portageville, Mo.
Stroh, Grover Rehrmes.....Oregon
Torrey, Frank Aldis.....Alba, Mich.
Turner, Hugh Arnold..Faulkton, So. Dak.
Wunsch, James K.....Chicago
Zobel, Charles Frederic.....Chicago

SPECIAL STUDENTS

Coen, John.....Chicago
Corson, George.....Chicago
Eikmeyer, Frank Henry..Ft. Madison, Iowa
Ensign, Horace.....Chicago
Forbrich, Charles Anthony.....Antioch
Forsell, Evar Carl.....Rockford
Goldman Ada Mazuska.....Chicago
Hendricksen, Waldemar Harold.....Chicago
Hiatt, Jesse Levi.....Vernal, Utah
Hodapp, Michael Ehrhast..Sioux City, Iowa
Joyce, John Thomas.....West Chicago
Jungknecht, Edward Robert.....Chicago
Krizan, John.....Chicago
Lipsictz, Eli.....Chicago
Lyzwek, Joseph Raymonds.....Chicago
Mahler, William Hermann.....Elmhurst
Murawski, Alex Frank.....Chicago
Neufeld, John.....Davenport, Iowa
O'Shea, Nora.....South Bend, Ind.
Schnebelin, Harry Peter.....Peoria
Shenowsky, Morris.....Chicago
Swenson, Harold Lawrence..Ottumwa, Iowa
Thoma, Raymond Joseph.....Chicago
Wilensky, Gabe.....Chicago
Zoub, Morris.....Chicago

Dental School

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

SPECIAL STUDENTS IN DENTISTRY

Dalrymple, John Hamilton, D. D. S.. ..... Australia
Jensen, Harold B ..... Minnesota
Langton, George Atherton ..... Utah

SPECIAL STUDENTS IN ANATOMY, 1910

Barlow, Harry Edgar..... Pennsylvania
Bates, Lewis George..... Pennsylvania
Blogg, Joseph P..... Arizona
Burdick, Warren Root..... Illinois
Collins, Thomas James..... Missouri
Crook, H. R..... Washington
Elder, Charles M..... Iowa
English, Charles H..... Nebraska
File, A. H..... Illinois
Huther, William F..... Ohio
Irons, Charles Glenn..... West Virginia
Leonharat, Paul A..... Arkansas
Lott, D. Webster..... Illinois
Lounsberry, C. R..... Iowa
Molander, Charles O..... Illinois
Prindle, Arthur B..... Wisconsin
Robinson, E. N..... Illinois
Schmidt, Harry..... Iowa
Sexsmith, C. W..... Indiana
Sollenberger, H. N..... Ohio
Starkey, Russell H..... Illinois
Tapp, Ralph W..... Nebraska
Thompson, Oscar C..... Illinois
Wideman, Burt W..... Iowa

COURSE FOR GRADUATES AND PRACTIONERS, 1910

Ballard, John Lewis, D.D.S..... Nebraska
Barnfield, William Hugh, D.D.S..... Illinois
Blomberg, Ernst..... Sweden
Dormon, William Barrow..... Arkansas
Duncan, John Kennedy, D.D.S..... Washington, D. C.
Gates, Hanna D., D.D.S..... Iowa
Grosby, Herman Garzell, M. D., Ph.D., Missouri
Harris, Madison Curtis, D.D.S..... Oregon
Henderson, Frank Beckett, D.D.S.. Kansas
John, Robert McCormick, D.D.S.... Illinois
Kulander, Henry, D.D.S..... Iowa
Lamby, Nils Iwan..... Sweden
Lemieux, Louis N., D.D.S., L.D.S... Canada
Lynch, Homer Marion, D.D.S..... Georgia
McCrummen, Farrar, D.D.S..... Alabama
May, Reuel, D.D.S..... Mississippi
O'Connell, Thomas William, L.D.S.. Canada
Ogilvie, Robert Adam, D.D.S. North Dakota
Prensky, William Samuel, D.D.S. New York
Robinson, Frank Sidney, D.D.S... Florida
Shaw, Alexander Lester, L.D.S..... India
Snyder, James Berd, D.D.S..... Ohio
Stansbery, Claudius J., D.D.S.. Washington
Walker, William Gardner, D.D.S.. Tennessee
Welch, Frank Morton, D.D.S..... Indiana

REGISTER OF STUDENTS 1910-1911

THIRD YEAR

Adelson, Abraham..... Illinois
Anderson, Thomas B..... North Dakota
Bartley, Mortimer Milton..... Wisconsin
Beatty, George Mudie..... Australia
Benn, Raymond Marcus..... Iowa
Bigler, John August..... Illinois
Blomberg, Ernest..... Sweden
Bowden, George Leonard..... Illinois
Bremner, John A..... Canada
Brown, Geoffrey Patteson ..... Australia
Bushee, Ralph Waldo..... Illinois
Carroll, William Zacharias..... Texas
Chang, Dai Yen..... Hawaii
Chulock, Joseph William..... Illinois
Clark, James Paul..... Washington
Cornwall, John Thomas..... Wisconsin
Cox, Wilford Charles..... Utah
Crawford, Harry Burch..... Michigan
Delmore, Hubert Francis..... Wisconsin
Dixon, Charles..... Canada

Duncan, William Henry.....Michigan
Dunlap, John Taylor.....Arizona
Flannery, Edward Eugene.....Illinois
Fouser, Ralph Homer.....Iowa
Fox, John Henry.....Indiana
Fry, William Thomas.....Illinois
Garber, David Raymond.....Indiana
Gayle, William Ross.....Texas
Goldthorpe, Charles Clyde.....Illinois
Grossberg, Arthur Lane.....Illinois
Guggenheim, Emanuel.....Illinois
Harrington, Earl Fremont....South Dakota
Harrison, Delmar Jay.....Minnesota
Hemmer, Francis Joseph.....Iowa
Hewitt, William James.....North Dakota
Holland, Carl Martin.....Iowa
Holtan, Arthur George.....Illinois
Horner, Harold Ince.....Iowa
Howe, Walter Guy.....Illinois
Hull, Robert Clayton.....South Dakota
Huntington, Roger Ebinger.....Illinois
Ingram, Hector Sydney.....England
Jensen, Waldemar.....Denmark
Johnson, Martin Loren.....Illinois
*Kessen, Rebecca V.....Pennsylvania
Knox, Eldon Lemoin.....Texas
Kundert, Leo Harris.....Illinois
Laird, Harry Brumfield.....Missouri
Lamby, Nils Iwan.....Sweden
Langdon, Edwin Lawrence.....Australia
Latham, Garnett.....Wisconsin
Leach, Floyd De Witte.....Wisconsin
Leach, Roy Carroll.....Nebraska
Lund, Herman John.....Illinois
Magnuson, Frank Arthur.....Minnesota
Mayer, Otto.....Illinois
McCormick, Jay Luvern.....Iowa
McCready, Charles Ray.....California
McIntyre, Leslie Herbert.....Canada
Menges, Mark Millard.....California
Millard, Glenn W.....Nebraska
Mindlin, Barnett.....New York
Moeller, Frank Raymond.....Michigan
Monahan, Matthew Joseph.....Ireland
Montgomery, Ida Olive.....Canada
Morlan, Jas. Leonard, B.S.....Illinois
Muir, Harry D.....Iowa
Myers, Leroy Albion.....Illinois
Nahas, Albert.....Egypt
Nichol, Clifton Thomas.....Illinois
Nichols, Ira Goodsel.....Mississippi
Nugent, Lawrence Earl.....Minnesota
Offill, William Arthur.....Illinois
Olshan, Hirsh Gammil.....Illinois
Papantonopulos, Nickolas G.....Greece
Payne, George Walter.....Canada
Pearson, Townsend Adelbert, B.S.....Iowa
Pruyn, Walter Mann.....Illinois
Putnam, Claude Ashbil.....Illinois
*Reagin, Ira Walter.....Illinois
*Redding, Valentine Chas.....Mississippi
Robinson, Peter Edward.....North Carolina
Rogers, Diego.....Argentine Republic
Rowan, William Anthony.....Illinois
Rucker, Vernon Smitz.....Missouri
Schumacher, Frank Paul.....Illinois
Schumacher, Werner.....Germany
Shaffer, Lee Harrison.....Illinois
Shaw, Alexander Lester.....India
Skillen, William Graham.....Illinois
Smith, George Clifford.....Wisconsin
Smith, Homer Arthur.....Massachusetts
Smith, Leon H.....Indiana
Smith, Tom Nelson Miles....North Dakota
Sprecher, Adolph Gustave....South Dakota
Stair, Karl Elbert.....South Dakota
Strook, Oscar William.....Illinois
Sullivan, Ralph Sylvester.....Illinois
Syverud, Herman.....South Dakota
Tebbs, Dudley D.....Utah
Thompson, Arlando Daniel...North Dakota
Thomson, James Urquhart.....Illinois
Tierman, Andrew.....Iowa
Tuveson, Nils.....Sweden
Tyler, Jesse Martin.....Mississippi
Ullom, Stanley William.....Iowa
Vaughn, Frederick Wilson.....Indiana
Welcher, David Morris.....Illinois
Welden, Floyd Handy.....Nebraska
West, Floyd Eddy.....Wisconsin
Wheeler, Raymond Early.....Kansas
Williams, John Dyke.....Iowa
Yoshida, Yonekichi Beijin.....Japan
Young, Earl Todd.....Missouri

SECOND YEAR

Akesson, Axel Wictor.....Sweden
Applebee, Alpha Bowers.....Illinois
Babcock, William.....Illinois
Bacon, Francis Erastus, B.S.....Illinois
Bailey, George Watson.....Wisconsin
Baker, Waldorf Astor.....Oklahoma
Ball, Ralph Thomas.....Illinois
Basford, Harry Lea.....Wisconsin

*Not in Attendance.

Basford, L. P.....Wisconsin
Bass, Feris Achille.....Texas
Boehme, Louis Hugo.....Illinois
Bowden, John Felix.....Texas
Bradbury, Arthur Rexford.....Illinois
Brady, Charles Thomas.....Illinois
Braxton, Fred Jesse.....Illinois
Butler, Guy Goldthorp.....Iowa
Carlisle, Thomas.....Illinois
Carlin, Leo Francis.....Pennsylvania
Cashin, William Roy.....Wisconsin
Cohen, Abraham Aaron.....Illinois
Collins, Camillus Carl.....Iowa
Cook, John Richards Williams .....Indiana
Cook, Merritt Wilson.....Pennsylvania
Corby, Earnest E.....Kansas
Croessmann, Julius William.....Illinois
Culp, Corydon Alonzo.....Illinois
Cusack, Cecil Geo. Henry.....Australia
Davis, John Harrison.....South Dakota
Deeble, Albert Leslie.....South Dakota
*Demetriades, Demetreos C.....Turkey
Dore, George David.....South Dakota
Dunlap, Robert Murray.....Arizona
Dush, Verna Roscoe.....Illinois
Edlund, Eskill Walter.....Illinois
Etchepareborda, Carlos, M.D.....
Buenos Ayres
Etzbach, Bruno Anton.....Illinois
Faller, Edward George.....Wisconsin
Fredlund, Gust Reginald.....Florida
Freeman, Charles West.....Vermont
Freeman, Louis George.....Indiana
Furstman, Jacob Miller, M.D.....Illinois
Genter, James Henry .....Illinois
Gerner, Otto Gerhard.....Illinois
Geyer, Ebern C.....Michigan
Gish, son.....Minnesota
Grosser, Walter William.....Illinois
Hanrahan, Eugene Patrick.....Illinois
Harmon, Herbert Newel.....Wisconsin
Heil, Henry Anthony.....Wisconsin
Hobson, Fred Nae.....Iowa
Hoffman, Augustus Knight.....Iowa
Hughes, Edmund Joseph.....North Dakota
Johnson, Gordon George.....Wisconsin
Kennedy, Ernest.....Canada
Kroschel, Maxie Leo.....Texas
Linn, Oliver Reinhold.....South Dakota
Macko, Frank W., Jr.....Illinois
Marshall, Roy Albert.....Michigan
Massey, Robert Rollin, A.B.....Indiana
Mattice, Clyde Merril.....Washington
Miller, Guy Morris.....South Dakota
Murfey, St. Clair.....Mexico
Nelson, Alex Clark.....Wisconsin
Olech, Joseph Benjamin.....Russia
Parker, Hale Giddings.....Illinois
Parson, John Moose.....Canada
Pelton, John Gordinier..... Wisconsin
Pfening, Ernest.....Illinois
Pickles, Nathan Corr.....Missouri
Postle, Merten Meyne .....Ohio
Randolph, Milton Fitz.....Washington
Rice, Warren Earl.....mWisconsin
Rice, William John..... Illinois
Richards, Mahlon Addison..... Wisconsin
Rogers, Neil Oscar.....Illinois
Root, Chester Ralph..... Illinois
Rowland, Thomas Jefferson.....Arkansas
Ryan, Thomas Peter.....Wisconsin
Sheetz, Roscoe Martin.....Illinois
Shoore, Leo Abraham.....Illinois
Sieber, Edward LeRoy.....Indiana
Skinner, Claud Wm. Harris.....Canada
Smith, George Edwin.....Illinois
Stamp, Joseph William.....Indiana
Stander, William Albert.....Michigan
Stenborg, John Adolph A.....Minnesota
Swords, Collins Ward.....Louisiana
Tull, Allison Lee, A.B.....Illinois
Tuttle, Merle Harrison.....Michigan
Ulvestad, George Elmer.....Minnesota
Unseitig, Clyde.....Illinois
Urbanowicz, Henry John.....Illinois
Vaughan, Charles Homer.....Michigan
Vyverberg, Arnold Homer.....Iowa
Young, Roy Mercer.....Illinois

FIRST YEAR

Adams, Fred W.....Iowa
Aicher, Francis James.....Illinois
*Anderson, Elmer.....Illinois
Armbruster, Carl.....Germany
Auter, Stephen Lytle.....Illinois
Barickman, Earl Wade.....Illinois
Blagg, Joseph Peter.....Ohio
Blayney, James Roy.....Illinois
Bloomquist, Guy.....Illinois
Burkhart, Ralph.....Illinois
Burton, Walter Ellis.....Minnesota
Butler, Leigh Edward.....Iowa
Carlin, Daniel Lewis.....Pennsylvania
Carroll, A. Percy.....Canada

*Not in Attendance.

Carter, Woodward Lee, B.A.....Missouri
*Chamberlain, Robert L.....Wisconsin
Chanoch, Abraham.....Illinois
Christopherson, Henry Ole.....Minnesota
Clark, Joseph S.....Illinois
Clark, Ralph Edward.....Utah
Clark, Ralph Llewellyn.....Illinois
Chappell, Rollo Mann.....Illinois
Cohn, Louis Leonard.....Illinois
Coleman, Ireson Rauzerman....Mississippi
*Connor, Frank Herbert.....Oregon
*Couden, Albert Reynolds.....Indiana
*Curry, D. English.....Indiana
Dallager, Roy Arthur.....Minnesota
Davis, Joseph Hiram.....Utah
Delfs, Peter Wilhelm, B.C.....Germany
Ekins, George Warren.....Utah
Evans, Lauren Reid.....Illinois
Ferm, Julius William M.....Iowa
Fietsch, Herman.....Illinois
Freeland, Henry Lloyd.....Canada
Fulton, Byron Edward.....South Dakota
Ganey, Henry Andrew.....Illinois
*Gasslander, Carl Aug. T.....Illinois
Geannelis, Iphicrates E.....Turkey
Geering, Walter Henry A.....Canada
Goldberg, Philip David.....Illinois
Gordon, Meyer Arthur.....Illinois
Green, Julius Caesar.....Illinois
Greenberg, Isadore Moses.....Illinois
Griffin, Homer.....Illinois
Grisier, Orville Jennings.....Ohio
Guzman, Sergius Benignus.....Mexico
Halverson, Joseph Edward.....Wisconsin
Hartman, Leroy Leo.....Canada
Haseltine, Lawrence Floyd...North Dakota
Hein, Eugene G. A.....Wisconsin
Heller, John Frederick.....Illinois
Heller, Samuel.....Illinois
Henderson, George Wm.....Illinois
Hill, Percy Archibald.....Australia
Hillenbrand, John Alois.....Wisconsin
Hiner, Arthur Augustus.....Ohio
Hoffman, Arthur Alfred.....Wisconsin
Holmberg, Gale Lloyd.....Wisconsin
Honoroff, Henry Aria.....Illinois
Horwitz, Maurice Albert.....Illinois
Ingledew, Walter Beaconsfield.....Illinois
Irons, Charles Glenn.....West Virginia
Johnson, Henry E.....Iowa
Katz, Sam.....Illinois
Keefe, Eugene Hazen.....Illinois
Kelly, Ernst Joseph.....Canada
Kelly, Fanny Mary.....Illinois
Kennedy, John Benton.....Montana
Krakow, George Joseph.....Iowa
Leonhard, George John.....Illinois
Littlefield, Edgar Earle.....Washington
Lizar, Francis Aaron.....Wisconsin
Lotz, Arnold Richard.....Minnesota
Luther, Earl O.....Michigan
Marlatt, Samuel Paul H.....Canada
McKenna, William Louis.....Michigan
McKenzie, Alfred Frederick.....Illinois
Morris, Ivor Hugh.....Illinois
Morse, Merwyn Neale.....Australia
Murtaugh, John Francis.....Illinois
Nonnamaker, Fred Clarence.....Ohio
Ofner, Spencer Everett.....Illinois
Oppermann, Anna Agnes.....Illinois
Ordon, Henry James.....Russia
Osborne, Albert Henry.....Kentucky
Pederson, George Nicholas.....Illinois
Pennigsdorf, Walter.....Illinois
Pooley, Alexander Beach.....Illinois
Potter, Daniel Clyde.....Michigan
Prettyman, Ralph Walter.....Kentucky
Price, Ernest Edwin.....Illinois
Randall, Earl William.....Iowa
Reynolds, Elzy.....Illinois
Rietdyk, John.....Illinois
Schellenberger, Walter H.....Wisconsin
Schniedwind, Ernest Ambrose, A.B. .Illinois
Seaborg, John Wesley.....Illinois
Senseney, Harry Edwin, B.S.....Iowa
Shain, Clarence Lawson.....Illinois
Shoaf, Ulysses Uriah.....Kansas
Silknitter, John Powelson.....Iowa
Smith, Ivan Edgar.....Indiana
Sprague, Delbert Oscar.....Iowa
Summer, Peter David.....Illinois
Swendiman, George Albert.....Minnesota
*Terry, Graydon M.....Texas
Van Patten, Percival Hall.....Utah
Ward, Myron Earl.....Minnesota
Werner, Clarence Edward.....Illinois
Williamson, Guy Wm.....Illinois
Windheim, Otto William.....Illinois
Wise, Lloyd Hill.....Illinois
Woodford, Clark Burton.....Wisconsin
Young, William Merki.....Illinois

SPECIAL STUDENTS IN DENTISTRY

*Fernandez, Octavis, D.D.S.....Quebec
*Gibbs, Hubert Roderick.....Australia
Lawing, Ernest O., D.D.S.....Missouri
Van Patten, Irvin Roy.....Utah

*Not in Attendance.

SPECIAL STUDENTS IN ANATOMY, 1911

Brandenburg, Earl William.....Ohio
Brandon, Percy D.....Canada
Burdick, Warren Root.....Illinois
Clark, Richard McCord.....Canada
Copley, Charles Henry.....Nebraska
Crook, Harold Richard.....Washington
Elder, Charles Morris.....Iowa
English, Charles Herbert.....Nebraska
Farwell, Jay Eldridge.....Iowa
Forbes, Robert Ireland.....Kansas
Hayn, Lloyd Edgar.....Illinois
Holmes, David Fred.....Illinois
Jeffers, Owen Ross.....Colorado
Kankins, Harvey John.....Ohio
Kuehnl, Albert.....Illinois
Lansing, Herbert Stowe.....Iowa
Leonhardt, Paul A.....California
Lounsberry, Ray Chancel.....Iowa
McLaughlin, Hugh Chas.....California
Meyer, James Forsyth.....Minnesota
Miller, Nelson Thomas.....Ohio
Munsey, Claude V.....Nebraska
Rasmussen, Leo Benj.....Wisconsin
Robinson, Lura.....Illinois
Sexsmith, Clare Wilde.....Washington
Schmitt, Harry.....Iowa
Shaver, Arlo Edwin.....Iowa
Shilling, Bessie B.....Illinois
Shipley, Carl Vinnedge.....Ohio
Wheelock, Frank Boscom.....Wisconsin

School of Music

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Those marked (*) are regular course: Otherwise they are special students.

*Alderson, Clara Alice.....Alta, Iowa
*Allen, Frances Lula.....Palatine, Ill.
Allen, George Brannan.....Cary Station
Argo, Jaclyn .....Alton
Barry, Elizabeth.....Sioux City, Iowa
Bassett, Mrs. Frances Dean.....Evanston
Brown, Leon Leonard.....Cherry Valley
Callahan, Samuel Miller.....Winnetka
Campbell, Fanchen Leota.....Chicago
*Chouteau, Marianne Josephine...Evanston
Constantine, Violet Olive.....
..... Three Rivers, Mich.
Coon, John Saylor.....Evanston
Crawford, John Orlando.....Kamrar, Iowa
Cross, Edith Adele.....Wilmette
Delphine, Sister M.....Wilmette
Doolittle, Aimee Warren.....Evanston
Graves, Nell Amelia.....Abilene, Kan.
Greene, Fern Emily.....Woodstock
Harris, James William.....Winnetka
Hayes, Katherine Gould.....Moline
Hollett, Eloise.....Evanston
Hulbush, Nora Louise....Billings, Mont.
Jones, Mabel Anne.....Evanston
Kierland, Rosa Madeline...Rushford, Minn.
Leach, Margaret Fannie.....Chicago
Lease, Lucy Mary.....Evanston
*Little, Vivian Gray.....St. Louis, Mo.
McKinley, Gertrude Ruth.....Chicago
Marietta, Lulu Athalee.....Evanston
*Munson, Mildred Mary...Longmont, Colo.
*Neely, Clara Grace.....Evanston
Nichols, Florence May.....Chicago
Noyes, Florence H.....Evanston
O'Donnell, Ella Mae.....Chicago
*Paulson, Lillian Frances..Des Moines, Iowa
Peterson, Holbert Stephen..Lafayette, Ind.
Pitkin, Julia Ethelwyne.....Chicago
*Poppe, Dagny.....Arkdale, Wis.
Reckett, Dorothy Katharine.....Evanston
Reeder, Ethel Hine.....Longmont, Colo.
Salinger, Amalie.....Chicago
*Saucerman, Ruth Irene.....Rock Grove
Sell, Mabel Alice..... Kentland, Ind.
Shearer, Viola Evelyn.....Wyoming
*Steele, Marie Patterson....Lansing, Mich.
Stewart, Lucy Skelton.....Evanston
Stockley, Florence Alberta.....Evanston
Sutcliffe, Ruth.....Chicago
Swanson, Olice Luella.....Cambridge
Van Horn, Grace Eveline.....Palatine
*Vernon, Eleanor Eugenia.....Chicago
Wertenberger, Ivan.....Webster, No. Dak.
Wilson, Herbert A.....Evanston
Wilson, Maude Carpenter.....Evanston

REGISTER OF STUDENTS 1910-1911

IN REGULAR COURSES

Abbott, Blanche Du Bois.....Chicago
Ackerman, Merle.....Monticello, Ind.
Addy, Alma Katherine.....Atlanta, Ga.
Adler, Irene.....Oskaloosa, Iowa
Allen, Maude.....Wilmette
Ammerman, Inez Lillian..Iron River, Mich.
Anderson, Della Mary....Clearfield, Penn.
Anfinsen, Lyda Della.....Leland
Aronson, Franc ..... Evanston
Ashby, Mary Margaret.....Ladoga, Ind.
Atwell, Ruth Sarah.....Evanston
Austin, Electa Louise.....Chicago
Bailey, Lura Mary.....Evanston
Baker, Blanche Irene..Junction City, Kans.
Baker, Margery Mae.....Allegan, Mich.
Baldwin, Florence Lucile..Weyauwega, Wis.
Ballew, Martha Kathryn.....Evanston
Bass, Katharine May....Memphis, Tenn.
Bate, Jessie Thompson.....Chicago
Beall, Yolande F.....Princeville
Beddow, Opal.....Waukon, Iowa
Bell, Pauline Hortense.....Kewanee
Bentley, Hazel Eilers.....Fort Dodge, Iowa
Bergen, Fredrica Grace.Summerfield, Kans.
Berry, Loretta .....Evanston
Bilsland, Leota.....Covington, Ind.
Bjorgo, Selma Marie..Thompson, No. Dak.
Blodgett, Vesta Electa.....Chicago
Boardman, Ethel Lee..Arkansas City, Kans.
Bonbright, James.....Evanston
Bortan, Helen Willis.....Evanston
Boyd, Mary Frances.....Delphi, Ind.
Brawthen, Lillian Georgine.....Chicago
Brenneman, Hedwig.....Evanston
Brown, Elizabeth.....Evanston
Brown, Vesta Verne.....Peoria
Bruce, Jean Kathryn.....Chicago
Bullis, Carleton Henry...Milwaukee, Wis.
Campbell, Marvene Goldie.....Chicago
Carlton, Edith Marion.....Laurium, Mich.
Carter, Florence Gertrude.Union City, Ind.
Carter, Gertrude.....Evanston
Cate, Samuel Melzer.....Hammond, La.
Chace, Lou Belle.....Stanton, Nebr.
Collier, Charles Perry.....Evanston
Combs, James Arthur.....Macon
Congdon, Gertrude.....Evanston
Coye, Ethel.....Stevens Point, Wis.
Crain, Ethelyn Lucille....Linton, No. Dak.
Crosier, Ethel Beatrice.....Geneseo
Cummings, Jacqueline.....Evanston
Curtis, Cheryl Maria.....Sheffield
Day, Gladys.....Evanston
De Voudres, Mary.....Evanston
De Shazo, Jennie.....Memphis, Tenn.
De Shazo, Susie Laverne...Memphis, Tenn.
Dewey, Persis Vivian.....Kenosha, Wis.
Dimock, Irene Helen.....Chicago
Dorris, Daisye Anna.....Harrisburg
Doughty, Wilmer Mar.....Graham, Mo.
Driskill, Edith Lorena...Spearfish, So. Dak.
Dudley, Marjorie Eastwood.....Evanston
Dutton, Edith.....Winnipeg, Canada
Eberhardt, Georgiana F.....Chicago
Emerson, Rose Cecelia.....Evanston
Enright, Mary.....Chicago
Erzinger, Marguerite Frances.....
..... San Diego, Cal.
Evans, Kathryn Lily..... Muscoda, Wis.
Eversz, Winifred.....Evanston
Fabian, Margaret.....Evanston
Falcon, Myrtle Nightingale.....Evanston
Flodin, Nellie Beulah.....Evanston
Foote, Sheldon Burnham. Parkersburg, Iowa
Freese, Bernice.....Wappanee, Ind.
Frisbie, Roger Corr.....Evanston
Gardner, Ancinette.....Evanston
Gostelow, Anna Belle.....Prophetstown
Greeley, Martha Helen.....Winnetka
Greene, Fern Emily..... Woodstock
Grimes, Cora Daisy .....Allerton, Iowa
Hall, Charles Ernest .....Dayton, Va.
Hall, Margaret Augusta.....Evanston
Hall, Lysle Griffith.....Galien, Mich.
Halpin, Lois Mae.....Chicago
Hamilton, James.....Birmingham, Ala.
Hammond, Elizabeth Strong.....Evanston
Hancock, Lillian Mae.....Clinton, Iowa
Hanna, Janet Maureen.....Evanston
Harden, Josie Dea.....Utica, Nebr.
Harper, Mary Ellen.....Unionville, Mo.
Harris, Gladys.....Pembina, No. Dak.
Harris, Isabel W.....Evanston
Harter, De Lelia.....Evanston
Hebblethwaite, Anna Kathryn....Evanston
Heidemann, Esther Anna Priscilla
..... Waterloo, Wis.
Hibbard, Iris Marion .....Galesburg
Hoff, Reva Clair.....Danville
Hollett, Eloise.....Evanston
Houston, Gertrude.....Joliet
Howat, Mary Agnes.....Clarksville, Mo.
Hoyt, Clara Maude.....Decorah, Iowa
Humfreville, Lilian.....Waterville, Kans.

Hunter, Rollin Roeck.....Memphis, Tenn.
Hutchison, Eva Jeanne.....Canton, Ohio
Hyde, Violet Marguerite....Beaver, Penn.
Illsley, Harriet Martha.....Evanston
Irwin, Alma Mabel.....Oak Park
Irwin, Mary Louise.....Tarlton, Ohio
Jacoby, Ella.....Dundurn, Canada
James, Helen Dickson.....Urbana
Jenkins, Marie Agnes.....Peoria
Jennings, Ethel Sake.....Chicago
Johnson, George Walter.....Chicago
Johnson, Marcia..... Cornell
Jones, Edith Maldwyn....Dodgeville, Wis.
Kanno, Bun.....Sendai, Japan
Kappes, Marion.....Evanston
Karlson, Elvina Dorothy..Gothenburg, Neb.
Kennedy, Laura Dawes.....Collins, Iowa
Kennedy, Neva Grace...Coldwater, Mich.
Kimball, Marjorie Weston.....Evanston
King, Bessie De Long.....Harvard
Klatt, Genevieve Hedwig.....Lincoln
Klein, Lillian.....Chicago
Klopp, Adah Eulalia.....Omaha, Nebr.
Knoll, Mary Techla.....Union City, Ind.
Knox, Mary Louise.....Sheffield
Kuby, Genevieve Campbell.....Chicago
Larson, Lucy Mathilde.....Bloomer, Wis.
Leach, Margaret Fannie.....Chicago
Leffler, Ruth Allison....Marshalltown, Iowa
Leigh, Maurice Chaffee.....Evanston
Lennox, Fannie Rose...Marshalltown, Iowa
Ling, Clara Gertrude.....Sheldon, Iowa
Ling, Edith Maude.....Sheldon, Iowa
Linterman, Jennie.....Chicago
Loudenback, Henry Hanson.Centralia, Kans.
Louthan, Ethelyn.....Canton, Mo.
Lutton, Charles Edwin.....Chicago
McAdams, Celia S.....Chicago
McCourt, Esther Mildred...Portland, Ore.
McNeill, Cherrill.....Evanston
McWhorter, Gardner Alpheus..Omaha, Neb.
Maxheimer, William Albert.....Mt. Pulaski
Melvin, Daisy.....Mound City, Mo.
Merrill, Helen Irene.....Chicago
Miranda, Max Garver.....Walkerton, Ind.
Mollring, Leota Marcella..Wakefield, Nebr.
Mondereau, Le Roy.....Meadville, Penn.
Moon, Kella Blanche.....Evanston
Moore, Mary Emma.....Oregon, Mo.
Moore, Mary Rebecca.....Tolono
Mulholand, Elizabeth Artlissa.....Chicago
Munyer, Abraham Elias.....Chicago
Murdock, Leita..... Streator
Myers, Gladys Ruth.....Sheldon, Iowa
Nelson, Russell Clement..Albert Lea, Minn.
Nisbet, Ethel Alvira.....Rollo
Ogilvy, Jessie Frances.....Evanston
Olson, John Sigvard.....Peru, Ind.
O'Hara, Florence M.....Chicago
O'Hare, Mae Elenor.....Evanston
Opie, Nannie.....Trivoli
Pace, Charles Anderson.....Chicago
Padgett, Helen Ryburn.....Ottawa
Patton, Corinne Moore...Catletsburg, Ky.
Paxton, Lucile Proctor.....Kansas
Pike, Hazel Ugene..... Bristol, Wis.
Preston, Eva Emeline,Strawberry Point, Iowa
Rabette, Mary Josephine.....Chicago
Raymond, Margaret.....Evanston
Reid, Marjorie.....Evanston
Reyerson, Rita Grace..Mayville, No. Dak.
Richards, Grace Ruth.....Lena
Riley, Bess.....Arkansas City, Kan.
Robinson, Marguerite Rose..Hampton, Iowa
Rohm, Cora.....Rockville, Ind.
Ross, Mildred.....Chicago
Russell, Levi Douglas.....Chicago
Russell, Martha Stockton.....Evanston
Saucerman, Ruth Irene.....Rock Grove
Shane, Ina Mabel.....Syracuse, N. Y.
Shotwell, Elizabeth Liddell.....Evanston
Sigmond, Luverne Nelson.Zumbrota, Minn.
Sivright, Susan.....Hutchinson, Minn.
Six, Mary Myrtle.....Perry
Smith, Angeline Elise.....Marlette, Mich.
Smith, Helen Myrle..Grand Junction, Colo.
Smith, Lenore Dorotha...La Grange, Ind.
Smith, Rebecca.....Beloit, Wis.
Songer, Carl Anson.....Joliet
Sorensen, Anna Olene.....Chicago
Spencer, Marjorie Elizabeth,Kansas City,Mo.
Steever, Frances Horton....Highland Park
Stewart, Florence Verle.....Kewanee
Stinson, Jeanette Margaret.....Chicago
Stringham, Edwin John.....Kenosha, Wis.
Strong, Bethena Pavoy.....Evanston
Stuart, Helen Edna.....Wall Lake, Iowa
Studley, Violette Hazel.....Reddick
Stultz, Walter Allen.....Evanston
Suhs, Anne Katherine ....Waupaca, Wis.
Sweet, Genevieve Ellen.....Evanston
Switzer, Vera Aline.....Farina
Sylvester, Nettie Hazel...Plainview, Minn.
Taecker, Bertha Louise.Watertown, So. Dak.
Taylor, Florence.....Evanston
Thrasher, Sarah Ellen.....Kewanee
Uhl, Willis Lemon.....Angola, Ind.
Vail, Marjorie Fleming.....Dixon
Vanderlip, Charles Harmon.....
..... Niagara Falls, N.Y.

Vernon, Eleanor Eugenia.....Chicago
Waite, Ella Marie.....Delavan, Wis.
Walker, Lou Belle.....Spencer, Iowa
Wallace, Clarence Earl....Van Wert, Ohio
Walter, Alberta Elizabeth.....Chatsworth
Warrington, Ruth Ormiston..Scales Mound
Watts, Gaywood Lucile...Southerland, Iowa
Weis, Ezra Herman Franklin.....Reddick
Wheeler, Elsie Mae.....Monroe, Wis.
Wheeler, Lora Louise.....Onarga
Whitelaw, Olive Stanton.....Chicago
Williams, Lois Lillian.....Highland Park
Willson, Madge Altrura....Edgerton, Wis.
Wilson, Stella Merrill.....Evanston
Wolf, Ethel Hattie.....Chicago
Woodard, Mae Joy.....Lamar, Colo.
Woodley, Jennie Remember.....Winslow
Wright, Ethel May.....Wilmot, Wis.
Wright, Laota Clair.....Palestine
Wyckoff, Irving Orlando.Rock Rapids, Iowa

SPECIAL STUDENTS.

Allen, George Brannan.....Cary Station
Allfree, Mary Louise.....Chicago
Arnold, Frankie Elizabeth.....Galena
Bakewell, Viette Hazel....Lansing, Iowa
Beall, Homer Honeywell.....Hope, Ark.
Bentley, Daisy.....Normal
Bernetha, Madge.....Rochester, Ind.
Bernhisel, Helen.....Evanston
Bierman, Ida May.....Kalispel, Mont.
Blackstock, Mabel Edith...Rutland, Iowa
Boot, Estelle H. B.....Evanston
Botkin, May Anna.....Oregon, Mo.
Brickman, Ruth Louisa.....Eldora, Iowa
Bridge, Isabelle.....Evanston
Brooke, Mae Evangel.....Evanston
Brown, Leon Leonard.....Cherry Valley
Bryant, Mabel Captola....La Crosse, Wis.
Burnham, Waive Ethel.....Mazon
Butler, Olive May.....Evanston
Campbell, Fanchen Leota.....Chicago
Campbell, Fern May.....Oak Park
Canman, Hazel Louise.....Chicago
Cattermole, Carolyn Frances.....Joliet
Corbin, Florence Cleo.....Washburn
Corrie, Mae Florence.....Evanston
Cox, Winnifred Sarah.....Osseo, Mich.
Crawford, Nellie Alice.....Evanston
Cunnyngham, Betty King.....Winnetka
Dahlbye, Karen Theodora Marie..Evanston
Dale, Isabel.....Evanston
Dawson, Mary Ann.....Rochester, Ind.
De Wolf, Lillian Horton....Gibbon, Nebr.
Drinkwitz, Meta Louise Katherine. Evanston
Dyrenforth, Dorothy.....Elmhurst
Eddy, Martha Isabell.....Evanston
Eisner, Hedwig.....Chicago
Ellis, Ada Eleanor.....Atlanta
Ellis, Leon.....Spokane, Wash.
Erikson, Myrtle Millicent.....
..... Crystal Falls, Mich.
Fike, Maizie.....Claypool, Ind.
Flentye, Laura Anna.....Wilmette
Ford, Jessie Eliza.....Algonquin
Gartner, Rose Augusta.....St. Charles
Goodenow, Harold Elijah..Detroit, Mich.
Gray, Mrs. C. J.....Highland Park
Greer, Howard Clark.....Evanston
Hanna, Wilma Eleanor..Cedar Rapids, Iowa
Harphan, Helen.....Evanston
Hart, Lincoln Edwin.....Evanston
Hays, Katherine Gould.....Chicago
Herbert, Florence Emerson..La Grange, Ind.
Hesler, Mrs. F. A.....Evanston
Hickman, Eugene Christian..Bath, So. Dak.
Hoag, Erma Mae.....Maywood
Holgate, Eleanor.....Evanston
Holt, Gertrude Miriam.....Evanston
Hoon, Lillie Mae.....
Hoover, Albert Cyrus.....Genoa, Nebr.
Hudson, Beatrice Mellor.....Wilmette
Hurt, Ruth Anna.....Chanute, Kans.
Jacobson, Herman.....Evanston
James, Hubert Edgar.....Evanston
Jones, Glenna.....Kingston, Mo.
Jones, Mabel Anne.....Evanston
Jordan, Viola.....Chicago
Keating, Florence Alice.....Evanston
Keen, Evelyn Hutt.....Evanston
Kenney, Catherine.....Chicago
Kirkpatrick, Blaine Evron....Raub, Ind.
Koerber, Barbara.....Winnetka
Lambert, Gelen.....Chicago
Leach, Irmagarde B.....Chicago
Lease, Lucy Mae.....Evanston
Loehr, Adele Marie.....Carlinville
Mac Beth, Olive Mabel.....Shelby, Nebr.
McBride, Quinnetta Kiel.....Chicago
McCague, Mary Gertrude....Omaha, Nebr.
McCordic, Christine Ruth.....Winnetka
McKee, Fae.....Evanston
McKenzie, Louise.....Chicago
Marvin, Marie Bianca.....Evanston
Mecartney, Fanny.....Evanston
Mertz, Ella Leona.....Downers Grove

Meyer, Mary Bailey.....Evanston
Middlekauff, Marjorie May.....Chicago
Miller, Esther Mac Dowell.....Evanston
Miller, Ethel Pearl.....Eureka, Kans.
Mitchell, Nellie.....Wilmette
Morser, Elamae Elsie.....Evanston
Moser, Helen.....Eldora, Iowa
Mumford, Grace Roselyn.....Evanston
Nelson, Adeline Rebecca....Madison, Wis.
Newell, Florence Eleanor.....Monticello
O'Donnell, Ella Mae.....Chicago
Osborn, Effie Bell.....Edwardsville
Pardun, Walter David.....Evanston
Pasqual, Esteban Veranes....Highland Park
Patterson, Clinton Crissey.....Marengo
Patty, Nella Mae.....Oneida
Perkins, Eleanor Ellis.....Evanston
Peterson, Mattie Eleanor..Saronville, Nebr.
Peterson, Ruth Katherine..Dubuque, Iowa
Plank, Margaret Kilbourne..Rochester, Ind.
Prescott, Theodore B.....Chicago
Pritchard, Fannie Isabelle.....Geneseo
Prouty, Frances Lillian..Des Moines, Iowa
Randall, Winslow Henry.....Harvey
Richardson, Lucy.....Evanston
Robinson, Laura Ann....Coldwater, Mich.
Ross, Lillian Adelaide.....White Hall
Sauer, Frank Joseph.....Evanston
Saurer, Harold Dale.....Bluffton, Ind.
Schell, Helen Henrietta..Mt. Pleasant, Iowa
Schultz, Edmee.....Chicago
Shanahan, Bessie Leora..South Bend, Ind.
Short, Ruth Henscil.....La Grange, Ind.
Simonds, Marshall Garfield.....Chicago
Smith, Marion A.....Evanston
Spang, Genevieve Margaret..Georgetown
Spielman, Helen Louise.....Topeka, Kans.
Stabler, Jesse Lee.....Neponset
Stanbery, Helen Clark.....Evanston
Starr, Mrs. Homer Worthington...Winnetka
Stockley, Florence Alberta.....Evanston
Swartz, Jerrold Franklin.....Evanston
Sylvester, Nellie Emilo....Surprise, Nebr.
Thompson, Marguerite.....Wilmette
Tietgens, Eunice.....Evanston
Trowbridge, Jessie.....Evanston
Troxell, Edward Leffingwell..Payson, Utah
Tuck, Albert Edward.....Greeley, Colo.
Turner, Reta Leora.....Chicago
Urbain, Lea Fantine.....Du Quoin
Van Vlissingen, Eleanor Dorothy..Evanston
Wade, Lavilla.....Mt. Vernon, Ind.
Wagner, Frederick Cortland.Chesterton, Ind.
Walker, Dora Avis.....Delavan, Wis.
Walker, John Daniel.....Chicago
Warner, Marian Frances.....Rossville
Wertenberger, Ivan....Webster, No. Dak.
Whiting, Kate Ingalls.....Evanston
Whitman, Antoinette Abel.....Wilmette
Woodmansee, Letha.....Evanston
Yard, Sarah Miller.....Evanston
Young, Barbara Starratt.....Chicago

School of Commerce

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Bach, Robert August.....Morton Park
Barker, John Laurence.....Chicago
Beans, Walter, C.P.A.....Oak Park
Block, Fred Farwell.....Chicago
Boehm, George Frank.....Chicago
Brennan, John Francis.....Chicago
Casey, Elizabeth.....Wilmette
Dixon, Donald Stockton.....Oak Park
Engelsman, Henry.....Chicago
Fass, David Hannibal.....Chicago
Fitzgerald, Charles Patrick.....Berwyn
Flory, Owen Otis.....Chicago
Fogg, Leland James.....Chicago
Gill, James Anthony.....Chicago
Hargrave, Charles Milton.....Chicago
Hawkins, Ray.....Chicago
Jenkins, Roger P.....Chicago
Klise, John Herman.....LaGrange
Kreidler, Maynard Loven.....Kewanee
Larson, Martin Frederick.....Chicago
Lawton, Warren Kenneth.....Chicago
Mann, George Edward.....Chicago
McKinnon, William Miles.....Chicago
Naylor, Fredrick Luther.....Chicago
Niemack, Hans Arnold.....Chicago
Nixon, Julian Carroll.....Chicago
Oliver, Joseph Doty, Jr.....Chicago
Paluszck, Adam John.....Chicago
Rosenthal, Joseph.....Chicago
Rosenzweig, Maurice Lester.....Chicago
Ryan, John Henry Bernard.....Chicago
Sandberg, Harry R.....Chicago
Shay, George Thomas.....Chicago
Siroky, George Francis.....Chicago

Sisson, Blanche Emeline.....Chicago
Staley, Myrtle Madoline.....Chicago
Stewart, Fred Samuel.....Chicago
Trent, Donald Conrad.....Chicago
Vanderwalker, Fred Norman.....Chicago
Van Horne, Clifford.....Chicago
Voorhees, Flora Alfaretta.....Chicago
Whitman, Olin Metz.....Evanston
Wilkey, Roscoe Stanley.....Evanston
Wright, Frank Myron.....Chicago
Wright, Robert Maurice.....Chicago

REGISTER OF STUDENTS 1909-1910

Abrams, Richard Evan.....Chicago
Absalonsen, Alf.....Chicago
Albert, Lawrence Joseph.....Chicago
Albertson, Roy Wallace.....Chicago
Allen, Homer Folsom.....Chicago
Allinger, Charles Edward, Jr.....Chicago
Altemus, Clarence Lee.....Chicago
Alter, Arthur S.....Chicago
Alter, Leo.....Chicago
Anctil, Joseph S.....Chicago
Anderson, Andrew Joseph.....Chicago
Anderson, Arthur Philip.....Chicago
Anderson, Charles Gustaf.....Chicago
Anderson, Edward Warner.....Chicago
Anderson, Elmer Theodore.....Chicago
Anderson, Ernest Victor.....Chicago
Anderson, Oscar Alberta.....Chicago
Anderson, Victor C.....Chicago
Andree, Arthur Phillip.....Chicago
Andree, Henry Peter.....Chicago
Ashman, Lewis Ethelbert.....Chicago
Auerbach, Samuel James.....Chicago
Bach, Robert August.....Morton Park
Bainer, John David.....Chicago
Baird, Bruce.....Chicago
Baird, Warner Green.....Chicago
Balaty, Vincent.....Chicago
Baldwin, Frank Louis.....Chicago
Baldwin, Robert B., Jr.....Chicago
Barclay, Arthur Clements.....Chicago
Barker, John Laurance.....Oak Park
Barter, Leonard Hugh.....Chicago
Barthel, Jacob Andrew.....Chicago
Bauer, Adolph John.....Chicago
Bauer, Albert Wenzel.....Chicago
Beale, Robert Lee.....Tama, Iowa
Beals, Edward Elmer.....Chicago
Beauvais, Auguste Victor.....Chicago
Beck, Anton T.....Chicago
Benzian, Richard.....Chicago
Berg, John.....Chicago
Berndtsson, Berndt.....Chicago
Bethge, Charles Adolphus.....Chicago
Bezazian, John Baghos.....Chicago
Bixby, Edward Randall.....Chicago
Block, Fred Farwell.....Chicago
Block, Michael Oscar.....Chicago
Blodgett, Homer Ralph.....Chicago
Bockelman, Otto Fred.....Chicago
Boecklen, John Peter.....Chicago
Boehm, George Frank.....Chicago
Bongard, John Hubert.....Chicago
Bonk, Joseph P., Jr.....Chicago
Bontemps, Charles William.....Chicago
Bosley, Jacob Harry.....Chicago
Bouse, Charles John.....Chicago
Boyles, George Robert.....Chicago
Brand, Henry C.....Chicago
Brandstater, Marie.....Batavia
Brenner, John.....Chicago
Britt, Joseph Patrick.....Chicago
Brocker, Gustav Henry.....Chicago
Browne, Roy Louis.....Chicago
Brown, Robert McCagg.....Chicago
Bruebach, William John.....Chicago
Buesing, Henry J.....Chicago
Burlingame, Charles Martin.....Chicago
Burns, George Francis.....Chicago
Burt, Edward Richardson.....Chicago
Butters, Charles William.....Chicago
Byrnes, Edward David.....Chicago
Carey, Michael P.....Chicago
Carlson, Vera.....Chicago
Carpenter, George Whitefield.....Chicago
Casper, George Harry.....Chicago
Clafford, Herbert Jean.....Chicago
Clark, Edward Eugene.....Joliet
Clark, E. Hicks.....Chicago
Clay, John.....Chicago
Cleary, Gerald Vernon.....Chicago
Cliff, Arthur Frederick.....Chicago
Clough, George J.....Michigan City, Ind.
Collmann, F. A.....Evanston
Colman, Amos Ebersol.....Chicago
Condon, James Patrick.....Chicago
Cooney, Lee W.....Chicago
Copeland, Ira Stafford.....Chicago
Cosola, Joseph L.....Chicago
Cossmann, George James.....Chicago
Cox, Walter Chenault.....Chicago
Cross, Otto.....Chicago
Crunden, Allan Bernard.....Chicago

Cummins, William Henry.....Chicago
Curry, Narry Joseph.....Chicago
Cushman, Robert Everton.....Chicago
Custer, Albert Springer.....Chicago
Dahlstrom, Godfrey E.....Chicago
Davidson, Edward Bernard.....Chicago
Davidson, John Andrew, Jr.....Chicago
Davis, Jesse Terence.....Chicago
Dawson, Hannah M.....Downer's Grove
Dearborn, Henry Boyd.....Chicago
DeLany, Clarence Martin.....Chicago
Demske, Gustav Robert.....Chicago
Dennis, Frank.....Chicago
Diplock, Thomas Graham.....Chicago
Dittmer, Anthony John.....Chicago
Dixon, Jules Pierre.....Chicago
Dobin, Henry Alfred.....Chicago
Dodd, Oswald Wallace.....Chicago
Dold, Herold Theodore.....Chicago
Donarski, Frank Anthony.....Chicago
Donnelly, Michael John.....Chicago
Dorman, Charles Alfred.....Chicago
Dowd, James E.....Chicago
Dreibus, Otto Joseph.....Chicago
Drummond, Harry Elmer.....Evanston
Duncan, Clinton Everett.....Morgan Park
Dunlap, Carl Blaine.....Chicago
Dupke, Arnold Charles.....Chicago
Dutcher, Horace.....Chicago
Earle, Samuel Edwin.....Chicago
Eastman, Erney Horence.....Chicago
Eddleman, Marvin R.....Chicago
Eiszner, John August.....Chicago
Elworth, Theodore France.....Chicago
Engel, Frank L.....Chicago
Engelmann, Theodore George.....Chicago
Engstrom, Emil Oscar.....Chicago
Ensminger, David M.....Chicago
Erickson, A. H. O.....Chicago
Fainer, Emanuel.....Chicago
Fathschild, Clifton William.....Chicago
Feeny, Irving Ignatius.....Chicago
Ferdinandsen, Albert.....Chicago
Feuxman, Samuel Herbert.....Chicago
Finch, Merle Eben.....Chicago
Fitzgerald, Charles Patrick.....Berwyn
Fitzgibbon, Gerald Augustine.....Chicago
Flaherty, John Thomas.....Chicago
Flershem, Whitney Byford.....Chicago
Foerster, Paul, Jr.....Chicago
Ford, William Sidney.....Chicago
Forsberg, William Robert.....Chicago
Forshee, Charles Allan.....Chicago
Forst, William Charles.....Chicago
Foster, Henry Stuart.....Chicago
Fraser, Ernest Charles.....Chicago
Frechette, Charles Joseph.....Chicago
Fredrickson, John Simon.....Chicago
Friedman, Isaac S.....Chicago
Friez, Ralph Lynn.....Chicago
Frye, Nels.....Chicago
Furse, David Stewart.....Chicago
Furse, John Russell.....Chicago
Gaensslen, Carl August.....Chicago
Garvey, Hoy Thomas.....Chicago
Gaul, Charles E.....Chicago
Geiss, William Henry.....Chicago
Giffey, Max.....Chicago
Gifford, David Herbert.....Chicago
Gilby, Joseph Henry.....Chicago
Gillies, Allastair.....Chicago
Glantz, Adolph Henry.....Chicago
Glass, Alvin McCorkle.....Chicago
Gleason, Anna.....Chicago
Glore, Charles Foster.....Chicago
Goldstein, Meyer William.....Chicago
Goodnow, Philip Strickland.....Evanston
Goodnow, Walter Strickland.....Evanston
Goold, Charles Reed.....Chicago
Gordon, Harry.....Chicago
Gray, Philip Frank.....Chicago
Green, Anna Elizabeth.....Chicago
Greenwood, Robert Campbell.....
Lakemills, Wis.
Griffith, Llewellyn.....Chicago
Grobe, Herbert Franklin.....Chicago
Gullans, John.....Chicago
Gunn, Alexander Hunter.....Chicago
Gunther, Samuel Lazarus.....Chicago
Gustavson, J. Walter.....Chicago
Hacha, Victor H.....Chicago
Hack, Louis George.....Chicago
Hafner, John Anthony.....Chicago
Hagan, James Joseph.....Chicago
Hagen, Walter.....Chicago
Hale, Sanborn.....Winnetka
Hall, George Lauritz.....Chicago
Hall, John Law.....Berwyn
Hall, John Sherman.....Chicago
Haller, Max Joseph.....Chicago
Hamann, William.....Chicago
Hamilton, Alrik Bard.....Chicago
Hansen, Louis.....Chicago
Hanson, Walter Clarence.....Chicago
Harden, Thomas Hawkesworth.....Chicago
Hargrave, Albion Fellows.Western Springs
Hargrave, Charles Milton.....Chicago
Harnblom, William Clarence.....Chicago
Harris, Henry.....Chicago
Hartwig, Hermann Albert.....Chicago
Hauber, Frank J.....Chicago
Hausser, Arthur Henry.....Chicago

Haynes, Pierre Evan.....Chicago
Heinrichs, William Frank.....Chicago
Held, Harold W.....Chicago
Heller, Sol.....Chicago
Herbert, Alfred Clayton.....Chicago
Herron, Murray.....Chicago
Hickey, Thomas Joseph.....Chicago
Hicks, Bert Spencer.....Berwyn
Hill, Fred W.....Chicago
Hillier, Edward William.....Chicago
Himmelblau, David.....Chicago
Hirschfield, Arthur Paul.....Chicago
Hodges, Hayden.....Chicago
Hoffman, Abraham B.....Chicago
Hoffman, Edward A.....Chicago
Hoffman, William Herman.....Elmhurst
Hogue, Clarence Irvin.....Chicago
Hohn, O. F. H.....Chicago
Holm, Kirol Raymond..Bartlesville, Okla.
Hopper, Rennie.....Chicago
Horn, Walter John.....Chicago
Horney, George Estel.....Chicago
Horwich, Arthur Nathaniel.....Chicago
Hostler, Sidney Marvin.....Chicago
Howland, David Roy.....Chicago
Howland, Roberts Paddock.....Chicago
Hoyt, Earle Reginald.....Chicago
Huebner, Charles.....Chicago
Hughes, Joseph Henry.....Chicago
Hults, Robert Lawrence.....Chicago
Hunter, Clyde Holland.....Chicago
Hutchison, George Elliott.....Chicago
Illsley, Edward.....Evanston
Inglis, Frank Dickson.....Chicago
Irons, Frank C.....Chicago
Jacobson, Veder.....Chicago
Jaffe, Robert Wolfram.....Chicago
Jahnel, George Raymond.....Chicago
Jamieson, Nevin James.....Chicago
Jarchow, Christian Ehler.....Chicago
Jarl, Edward Luther.....Chicago
Jeffery, Arthur Lovett.....Chicago
Jenkins, George Sedgley.....Chicago
Jensen, Zopher Lacey.....Chicago
Johnson, Alexander.....Chicago
Johnson, Arthur Carl.....Chicago
Johnson, Elvin H.....Chicago
Johnson, Engwal Martin.....Chicago
Johnson, Gustave Adolph.....Chicago
Johnson, Gustave Albert.....Chicago
Johnston, Warren David.....Oak Park
Jooss, Lothar Eberhard.....Chicago
Joyer, Louis Charles.....Chicago
Judd, George Marvin.....Chicago
Juergens, Walter Henry.....Oak Park
Karcazes, Demetrious Konstantinou.Chicago
Kashiwa, Masakichi.....Chicago
Kavanagh, Clarence Henry.....Chicago
Kawin, Sam.....Chicago
Keeber, John Frederick.....Chicago
Kehr, Carl Merriman.....Chicago
Keilty, Joseph Hamill.....Chicago
Kelly, Joseph Sebastian.....Chicago
Kelly, Mark Joseph.....Chicago
Keyes, Carlyle Marlett.....Chicago
Kinberg, William Oscar.....Chicago
King, Francis Michael.....Chicago
King, William Calvin.....Chicago
Kinnaman, Noel.....Chicago
Kirberg, Harry Louis.....Chicago
Klebs, Herman John.....Chicago
Klemmer, Simon Aloysius.....Chicago
Krewer, John Louis.....Chicago
Klicka, Joseph.....Chicago
Kniering, Frank Joseph.....Chicago
Koehler, Edward Walter.....Chicago
Koschnick, Hattie L.....Chicago
Kriedler, Maynard Loven.....Kewanee
Kringel, Edwin William.....Oak Park
Krumwiede, Theodore Henry.....Clifton
Kruse, Henry.....Chicago
Lahey, Robert Henery.....Chicago
Lander, Arthur William.....Chicago
Lange, Richard Walter.....Chicago
Lanterman, Ernest Arthur.....Chicago
Larson, Arthur Willard.....Chicago
Larson, Martin Frederick.....Chicago
Latus, William Henry.....Chicago
Legg, Sidney Charles.....Oak Park
Levinger, Minnie.....Chicago
Lew, Frank Mandeville.....Chicago
Lind, Philip A.....Chicago
Linstedt, Arthur Leonard.....Chicago
Lobanoff, Paul Earl.....Wilmette
Lowes, Charles Ernest.....Chicago
Lucas, Henry Austin.....Chicago
Lundblad, Byron.....Chicago
Lundgreen, Martin.....Chicago
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Lynch, William Robert.....Chicago
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Maginnis, Eugene Aloysius.....Chicago
Maher, Henry James.....Chicago
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Martins, Magnus J.....Chicago
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Mays, John Frank.....Chicago
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McBrady, Edward John.....Chicago
McCandless, William.....Chicago
McConnell, Charles F.....Chicago
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McCullough, Calvin Fabrique.....Chicago
McDonough, Frank Thomas.....Chicago
McGauley, Joseph.....Chicago
McGibbon, Edmund E.....Chicago
McGregor, James Anderson.....Chicago
McGuinn, Edward Bartly.....Chicago
McKinnon, William Miles.....Chicago
McNelis, Roger Joseph.....Chicago
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Meyer, Charles John.....Chicago
Meyer, Samuel.....Chicago
Meyn, Henry John.....Chicago
Michels, John Joseph.....Chicago
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Miller, Aloysius Robert.....Chicago
Miller, Frederick Merritt.....Morgan Park
Miller, Graham Piggot.....Morton Park
Miller, William Henry.....Chicago
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Mitchell, Walter George.....Chicago
Mitten, Edward L.....Chicago
Modica, Ralph G.....Chicago
Monahan, Eugene Joseph.....Chicago
Moore, Donald Olin.....Chicago
Moore, James Joseph.....Chicago
Mozingo, Frederick Parks.....Chicago
Mueller, Richard.....Chicago
Mueller, Walter Andrew.....Chicago
Muller, Charles.....Chicago
Mundt, Henry Ernst.....Chicago
Munger, Lloyd Allan.....Chicago
Murphy, Charles Francis.....Chicago
Murphy, Edwin John.....Chicago
Myers, Harry John.....Chicago
Nakagami, Keichiro.....Chicago
Naylor, Frederick Luther.....Chicago
Nedbal, Frank Thomas.....Chicago
Neel, Wirt Russell.....Chicago
Nelson, George Walter.....Chicago
Nelson, James Nels.....Chicago
Nielsen, Fred.....Chicago
Nieman, William Charles.....Chicago
Nilsson, George W.....Chicago
Nixon, Julian Carroll.....Chicago
Norman, Charles Robert.....Chicago
Norman, Sverre Fritjof.....Chicago
Nuoffer, Theodore Louis.....Chicago
O'Connell, Harold Patrick.....Chicago
Oest, Otto Leopold.....Blue Island
Ogilvie, Alexander Wright Taylor...Chicago
Ohlin, John A.....Chicago
Ohnesorge, Herbert Bertram.....Maywood
Ohnesorge, William Emil.....Maywood
Olff, Victor William.....Chicago
Oliver, Wilber Eddie.....Chicago
Olsen, Arthur.....Forest Park
Paffroth, Adolph T.....Chicago
Paselk, Erich Friedrich.....Chicago
Peacock, Joseph Francis.....Chicago
Peterson, Carl Lawrence.....Chicago
Petersen, Ernest.....Chicago
Petrie, David.....Chicago
Pilney, Agnes Frances.....Chicago
Pinkney, Kenneth Taylor.....Chicago
Pollard, Harry Emmett.....LaGrange
Portley, Daniel Joseph.....Chicago
Preucel, Edward James.....Chicago
Price, Walter Holton.....Chicago
Price, William Morris.....Chicago
Purchase, Anson Graves.....Chicago
Quayle, Frederick Richard.....Maywood
Radon, Harry Clements.....Chicago
Raymond, Philip Wyckoff.....Evanston
Read, Lyle D.....Chicago
Read, William Bleecker.....Chicago
Redenbaugh, Marcus Marcellus.....Chicago
Rentschler, Henry Matthew.....Chicago
Rexford, Frank Leslie.....Chicago
Rheault, Charles Auguste..Quebec, Canada
Richardson, Robert Lee.....Chicago
Riedmayer, Aloysius Joseph.....Chicago
Rigeman, August Herman.....Chicago
Riley, Don Wright.....Chicago
Riske, Otto Albert.....Chicago
Rosenzweig, Harry.....Chicago
Rosenzweig, Louis.....Chicago
Roser, John Henry.....Chicago
Rosing, Helga.....Ravinia
Rowe, Ernest Alfred.....Chicago
Ruckert, Arthur John.....Chicago
Ruckes, Joseph J., Jr.....Chicago
Samel, Henry A.....Chicago
Sanger, Walter Lee.....Chicago
Satter, Charles James.....Chicago
Sauerman, John Andrew.....Chicago
Saunders, David Stevens.....Chicago
Scarborough, J. Barret.....Highland Park
Scharf, Earl Maxwell.....Chicago
Schkurovich, George Joseph.....Chicago
Schlake, William Frederick.....Chicago
Scholz, Ferdinand M.....LaGrange
Schonlan, Emil Claire.....Chicago
Schrader, H. W.....Chicago
Schramm, Ernest Godfred.....Chicago

Schultz, Edward Paul.....Chicago
Schurman, Ralph.....Chicago
Seymour, Mather.....Norwood Park
Shay, George T.....Chicago
Sheridan, Thomas William.....Chicago
Shute, Herbert W.....Chicago
Silverman, Benjamin Harrison.....Chicago
Siroky, George F.....Chicago
Sisson, Blanche E.....Chicago
Skubic, Edward Paul.....Chicago
Slavin, Frank Edward.....Chicago
Smith, John Vincent.....Chicago
Smith, Orlo Dean.....Kewanee
Solomon, Lewis John.....Chicago
Solon, Edward James.....Chicago
Soma, Trygve.....Chicago
Spencer, George Otis.....Chicago
Sperling, Samuel.....Chicago
Spong, Aaron.....Chicago
Srill, Edward A.....Chicago
Staehle, William.....Chicago
Staley, Myrtle Madoline.....Chicago
Steelhammer, Arvid Morse.....Chicago
Steelhammer, Emil F.....Chicago
Stenn, Harry Morris.....Chicago
Stephens, John A.....Chicago
Stockenius, Daniel August.....Chicago
Stone, Elmer L.....Chicago
Strelow, Herman John.....Chicago
Strobehn, Fred C.....Chicago
Swanson, Albert Edward.....Chicago
Swanson, Harry Edmond.....Chicago
Sweeney, Gerald Francis.....Chicago
Tanke, Emma Agnes.....Chicago
Taylor, Barry.....Chicago
Thejll, Christjan Wilhelm.....Chicago
Thompson, Del Beveridge.....Chicago
Thorp, William John.....Chicago
Thulin, Fred.....Chicago
Tonk, Percy Albert.....Chicago
Tonneson, Henry.....Chicago
Torstenson, Irving N.....Chicago
Tortorell, Joseph Nichols.....Chicago
Towle, Elizabeth Clara.....Chicago
Traynor, William Bernard.....Chicago
Treleaven, Walter Samuel.....Oak Park
Trull, Albert Harrell.....Wayne
Tufts, Arthur M.....Chicago
Tuverson, Frank Ferdinand.....Chicago
Tylman, Daniel Frank.....Chicago
Ullman, Jacob.....Chicago
Unger, Samuel.....Chicago
Vallette, Elbert Carlyle.....Chicago
Vander Hoeven, Frank John.....Chicago
Vanderwalker, Fred Norman.....Chicago
Vernon, Julia Graves.....Chicago
Vernon, Olive.....Chicago
Vescelus, Clarence Edward.....Chicago
Vinton, Harold Kendall.....Chicago
Voorhees, Flora Alfaretta.....Chicago
Wacker, Frederick Glade.....Chicago
Wall, Edward Joseph.....Chicago
Wallin, John Erhard.....Chicago
Walsh, Charles Michael.....Chicago
Walsh, Matthew James.....Chicago
Washburn, William Fred.....Chicago
Watson, James George.....Chicago
Weil, Jacob Maurice.....Chicago
Weinberg, Jacob Selig.....Chicago
Weiss, George Varga.....Chicago
Weiss, Julius Caesar.....Chicago
Weitzenfeld, David Henry.....Chicago
Welin, Harry John.....Chicago
Wells, Ernest Edward.....Chicago
Wendel, George John.....Chicago
Westberg, Frederick Theodore.....Chicago
Weston, Walter Harold.....Chicago
Westphaln, Harry Garfield.....Chicago
Wetzel, Albert John.....Chicago
Wheeler, Frank Amos.....Chicago
Whitfield, Ernest James.....Chicago
Wiersen, Annie Caroline.....Chicago
Williams, Harry Bernard.....Chicago
Williams, Percival Lloyd.....Racine, Wis.
Winkelman, John Edward.....Chicago
Woldhausen, Walter Louis.....Chicago
Wolff, Lionel Herbert.....Chicago
Wood, Edwin William.....Franklin Park
Wright, Oliver King.....Clyde
Young, Thomas Harrison.....Chicago
Zillmer, Frank Gottfried.....Chicago
Zimmerman, Edwin.....Chicago
Zuckerman, Morris W.....Chicago

School of Oratory

REGISTER OF STUDENTS 1910-1911

POST-GRADUATES

Countryman, Marguerite Aberdeen, So. Dak.
De Coudres, Frances Anna.....Evanston
Frantz, Eula May.....Paw Paw
Holton, Mary.....Indianapolis, Ind.
Keyes, Freda Lorraine. Richland Center, Wis.
Morey, Sue Grace.....Manistee, Mich.

SENIORS

Anderson, Hazel.....Sugar Grove, Penn.
Ballard, Ella Maurine..Crawfordsville, Ind.
Bartlett, Iva May.....Webster City, Iowa.
Berry, Ruth.....Tremont City, Ohio
Blakeslee, Ada Frances.....Savannah, Mo.
Booth, Clio Safford.....Evanston
Buerstetta, Minnie.....Tecumseh, Neb.
Burget, Earl.....Idaville, Ind.
Buttrick, Bertha Belle.....Ada, Mich.
Cady, Vera.....Rock Rapids, Iowa
Chase, Harriett.....Marion, Ind.
Dewey, Perdita.....Kenosha, Wis.
Diehl, Teresa Lucinda.....Elroy, Wis.
Dice, Gladys Cleora.....Galion, Ohio
Drennan, Carrie.....Corning, Iowa
Duchardt, Ru Berta.....Beardstown
Dumke, Emma Charlotte New Holstein, Wis.
Elden, Edith Gertrude.....Elburn.
Emmett, Snowdell.....Logansport, Ind.
Fraser, Christine.....Twin Falls, Idaho
Garberson, Rena.....Storm Lake, Iowa
Gardiner, Elizabeth.....Evanston
Giddings, Leone.....Evanston
Grigsby, Doris Bertha....Petersburgh, Ind.
Guffin, Lillian Irene.....Geneseo
Hamilton, Elsie May.....Fremont, Iowa
Hardy, Ione Elizabeth.....Lansing, Mich.
Hinkson, Anna.....Stuart, Iowa
Holden, Margaret Ruth.....Chicago
Hughes, Frances Mary.....Downers Grove
Iltis, Gladys.....Le Sueur Center, Minn.
Kendall, Nellie.....Brookings, So. Dak.
Kennedy, Frances Marcella Platteville, Wis.
Kramer, Laura Lucilla.....Pella, Iowa
Landahl, Bessie.....Princeton
Landahl, Blanche .....Princeton
Lardie, Annette.....Traverse City, Mich.
Luhman, Mabel.....Storm Lake, Iowa
Luther, Eugene.....Walnut
MacCarthy, Lillian.....Mt. Union, Penn.
Manley, Cora.....Oskaloosa, Iowa
Marshall, Maude Adelaide Wilton Jct., Iowa
Mauritzen, Elsie.....Evanston
McBeth, Olive Mabel.....Shelby, Neb.
McCray, Marian.....Green Lake, Wis.
McKenzie, Florence Helena.....
Calgary, Alberta, Canada
McNamara, Omega.....Cleveland, Ohio
Merry, Glenn Newton.....Evanston
Metcalf, Kate.....Evanston
Miller, Gertrude.....Eureka, Kans.
Miller, Morfydd F.....Tecumseh, Okla.
Myers, Ruby Ray.....Livingston, Mont.
Nelson, Florence Swart Williamsburgh, Iowa
Newton, Jeannette.....Pana
Norris, Marion Lela.....Chicago
Osborn, Pearl.....Ashland, Kans.
Pease, Hallie.....Chicago
Peshak, Josephine Angeline.....Evanston
Plaehn, Mary Jane.....Reinbeck, Iowa
Powell, Leila Esther.....Youngstown, Ohio
Price, Edna May.....Galion, Ohio
Proctor, Alice.....Elgin, Ore.
Rice, Marjorie Bell.....Lockwood, Ohio
Robinson, Ethel.....Oak Park
Roy, Phyllis Winifred.....Darlington, Wis.
Schmoker, Ellen Lyda.....Evanston
Shinn, Fannie Lloyd.....Ames, Iowa
Sherk, Rose.....La Salle, N. Y.
Shugart, Eva.....Nevada, Iowa
Smith, Ethel Leona.....Phillips, Wis.
Smith, Sarah Charlotte....Brookston, Ind.
Springer, Sarah.....Sullivan, Ind.
Stewart, Gladys.....Mt. Pleasant, Iowa
Straus, Norma.....Milwaukee, Wis.
Strawman, Elsa.....Anamosa, Iowa
Takahara, Tsuneta.....Okayama, Japan
Tremaine, Ruth.....Cedar Rapids, Iowa
Turner, Laura Warner.....Chillicothe
Upton, Emily.....Chicago
Vieira, Nellie Tracy.....Springfield
Vineyard, Middie.....Whitehall
Vorbeck, Edythe.....St. Louis, Mo.
Wiley, Gladys May.....Mason City, Iowa
Williams, Grace Ethel.....Onarga
Williams, Laura Horrigan.....
Grand Rapids, Mich.
Winters, Pearl.....Toronto, Ohio
Wynkoop, Vera.....Traverse City, Mich.

JUNIORS

Armstrong, Dorothy.....Milwaukee, Wis.
Bagan, Mary Edith.....Menominee, Wis.
Binns, Florence.....Pittsfield
Bierman, Ida.....Kalispell, Mont.
Breed, Lillian Vida....Brookings, So. Dak.
Calkins, Bertha.....Lincoln, Neb.
Case, Harriet Lucile.....Yuma, Colo.
Coutant, Claire Christine .....
Minneapolis, Minn.
Covell, Beulah..... Traverse City, Mich.
Crain, Alice Elizabeth.....Augusta
Cummins, Frances May..Wilmot, So. Dak.

De Wolf, Lillian Horton.....Gibbon, Neb.
Dielmann, Edith.....Winfield, Kans.
Duncan, Carol Vivian.....Oconto, Wis.
Edington, Pauline Roberta.Terre Haute, Ind.
Forbes, Mabel Irene.....Evanston
French, Bessie.....Moore's Hill, Ind.
Glenn, Helen.....Evanston
Gullickson, Helen.....Sioux City, Iowa
Hatch, Bessie May.....Timewell
Hayner, Ruth Margaret....Madison, Wis.
Hays, Katherine Gould.....Chicago
Helm, Marion Ruth.....Chicago
Hettinger, Violet Jewel.....Chicago
Hubbard, Florence Blanchard.....
Lake City, Minn.
Johnson, Bess.....Fremont, Ind.
Kelley, Evelyn Kathryn.....Kenosha, Wis.
Kidd, Lena.....Corder, Mo.
Laurence, Eleanor.....Joliet
Lentz, Glee Romaine.....South Bend, Ind.
Lewis, Ethel May.....Cleveland, Ohio
MacMillan, Nora Belle.....Norton, Kan.
Marshall, Beth Elmira.....Waterloo, Iowa
Merrill, Kitty Gladys..Nona Springs, Iowa
Miller, Ruth Lillian.....Charles City, Iowa
Moore, Louise Duane.....Evanston
Mosey, Tessie Ferne.....Leland
Mowre, Arminda Jacqueline..Billings, Mont.
Owen, Hazeltine.....Evanston
Palmer, Dorothy Witter.....Evanston
Patty, Nella.....Oneida
Paul, Eleanora.....Pulaski, Ind.
Pfeiffer, Mabel Lillian..Charles City, Iowa
Perkins, Ione Marie.....McArthur, Ohio
Price, Katherine.....Monticello, Ind.
Reese, Clara Isabella.....Chicago
Reeves, La Verne.....Elburn
Riggs, Golda Glenn.....Shelburn, Ind.
Roggenbau, Gladys Marcia Milwaukee, Wis.
Russell, Ruth Madeline.....Oswego
Searcy, Morrell Palmer....Portsmouth, Ohio
Shirk, Hermona.....Glencoe
Smith, Marion.....Evanston
Stearns, Mabel Anna.....Montezuma, Iowa
Sutton, Ida Belle.....Moro
Sylvester, Nellie Emilo.....Surprise, Neb.
Switzer, Anna Helen.....Jackson, Mich.
Ungers, Louise Margaret..Watertown, Wis.
Vaughan, William Swift..Milesville, So. Dak.
Walsh, Margaret.....Holland, Mich.
Waugh, Helen I.....Chicago
Whittier, Alice Markham..Greenville, Mich.

SPECIAL STUDENTS

Anderson, Lilly.....Evanston
Appell, Paul.....Chicago
Borbeight, Dora.....Evanston
Bernheisel, Fanny.....Evanston
Burton, Georgiana.....Atlanta, Iowa
Brogan, J. C.....Evanston
Brockett, Mr. W.....Saginaw, Mich.
Camnon, Hazel.....Chicago
Dallenback, Hazel.....Champaign
Davis, Susie B.....Macomb
Dunlap, Clara.....Mayville, No. Dak.
Donahoo, Harry H.....Evanston
Gholson, Grace.....Chicago
Gardner, Dorothy.....Evanston
Guernsey, Jeanne.....Chicago
Green, Elsie.....Kansas City, Mo.
Grims, Cora.....Allerton, Iowa
Howxhurst, Mrs. Waldo.....Evanston
Hueni, Herman.....Onarga
Hall, Sarah.....Evanston
Hughes, Hilda.....La Grange, Ind.
Hemenway, Margaret.....Evanston
Horning, Helen.....Evanston
Johnson, Douglas M.....St. Louis, Mo.
Johnson, Lucene.....Logansport, Ind.
Kuntz, Mr.....Chicago
Lotze, Miss M.....Madison, So. Dak.
Lutsch, Gertrude .....Chicago
McMillan, Norma.....Wilmette
Mauritzon, Elsie.....Chicago
Metcalf, Kate.....Evanston
Medford, Bess.....Culver, Ind.
McCain, Mr.....Evanston
Mangun, Glenn E.....Greencastle, Ind.
Norton, Louise.....Evanston
O'Hagan, Dr.....Chicago
Parker, Mrs. Ewer.....Evanston
Perkins, Jeannette .....Evanston
Perkins, Margaret .....Evanston
Pooley, Eleanor G.....Evanston
Pearson, Ellen L.....Onarga
Piper, Robert.....Evanston
Putnam, Irving E.....Chicago
Reese, Ernest A.....Hubbard, Iowa
Remmer, Mrs. Oscar.....Evanston
Roy, Jessie Brantler.....Dallas, Tex.
Smith, Shirley.....Evanston
Smith, Janet.....Evanston
Shugrue, Nellie.....Chicago
Schuerman, W. J.....Evanston
Shenefelt, Orville P.....Evanston
Stunts, Wm.....Evanston
Warner, Glenn Y.....Wooster, Ohio
Wolcott, J. D.....Evanston
Wilcox, Muriel.....Hammond, Ind.
Yourex, Kate.....Wheaton

Garrett Biblical Institute

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

CANDIDATES FOR A DEGREE

Dresch, William Houch.....Rawson, Ohio
A.B., Ohio Northern University
Kienle, John Emanuel.....New Orleans, La
A.B., Central Wesleyan College
Morgan, William Thompson.....Elkhart, Ind.
A.B., University of Indiana

CANDIDATES FOR A DIPLOMA

Briggs, Walter Merrill.....Winslow
Bringedahl, Joachim Gerhard...Cove, Wash.
Dong, Suk Kee.....Korea
Lawton, Olive Hardy.....Seoul, Korea
Swanson, Arthur Albin....Jamestown, N. Y.

SPECIAL STUDENTS

Haughland, Peder O.....Virginia, Minn.
Norman, John August.....Chicago

REGISTER OF STUDENTS 1910-1911

GRADUATE STUDENTS

Gethmann, Charles Wesley.....Oklahoma City, Okla.
A.B., Charles City College; B.D., Garrett Biblical Institute
Gethmann, Walter Wesley.....Reinbeck, Iowa
A.B., Charles City College; A.M., Northwestern University; B.D., Garrett Biblical Institute
Greenley, Parris C.....Harrington, Del.
A.B., Hamline University; B.D., Drew Theological Seminary
Nagler, Arthur Wilford.....LaCrosse, Ind.
Ph.B., Baldwin University; A.M., German Wallace College; B.D., Garrett Biblical Institute
Pider, Myrtle.....Mankato, Kan.
A.B., Northwestern University

CANDIDATES FOR A DEGREE
THIRD YEAR

Bettenhausen, Henry Martin.....Manhattan
A.B., German Wallace College
Brogan, James Calvin.....Wetherford, Okla.
A.B., National University
Dresch, William Houck.....Rawson, Ohio
A.B., Ohio Northern University
Fowler, James Herbert.....Doniphan, Nebr.
A.B., Nebraska Wesleyan University
Gable, Mearl Arthur.....Denison, Iowa
A.B., Simpson College
Hinkle, John Milton.....Bloomington, Ind.
A.B., Indiana University
Hints, William.....Monroe, Wis.
Holland, Robert Thomas.....Scottsville, Ky.
A.B., S.T.B., Grant University

Hurst, Clifton N. . . . . Oswego, Kan
B.A., Texas Holiness University
Jordan, Clifford Charles. . . . . Salina, Kan.
Ph.B., Kansas Wesleyan University
Lawson, Peter Jacob. . . . . Lyons, Nebr.
A.B., Nebraska Wesleyan University
Rich, Grace Eichelberger. . . . . Cedar Rapids, Iowa
A.B., Coe College
Ross, David Harris. . . . . Willard, Mo.
B.S., Morrisville College
Shoemaker, George Milton. . . . . Volga City, Iowa
A.B., Cornell College
Tormohlen, Harvey Frederick. . . . . Holland, Ind.
A.B., German Wallace College
Wash, George A. . . . . Milford, Nebr.
A.B., Nebraska Wesleyan University
Wiese, Carl Henry. . . . . Kewaunee, Wis.
A.B., University of Puget Sound
Will, Benjamin. . . . . Chicago

SECOND YEAR

Arnold, John Franklin. . . . . Des Moines, Iowa
B.S., Simpson College
Bennett, Eralza Allen. . . . . Madison, So. Dak.
Ph.B., Morningside College
Brown, Joseph Charles. . . . . Litchfield
A.M., McKendree College
Butler, Nate Elton. . . . . Grove City, Ohio
A.B., Ohio Wesleyan University
Coe, Albert Ervin. . . . . Sterling
A.B., Cornell College
Collins, Dan D. . . . . Collinsville
A.B., McKendree College
Crawford, John Orlando. . . . . Resort, Ky.
A.B., Kentucky Wesleyan University
Daschler, Albert Frederick. . . . . Staples, Minn.
A.B., Central Wesleyan College
Ebert, John Henry. . . . . Webster, So. Dak.
A.B., Charles City College
Evans, John Ellis. . . . . Topeka, Kan.
A.B., Simpson College
Fisk, Bradford Truesdale. . . . . Grand Island, Nebr.
B.S., Grand Island College
Ford, Charles Cleveland. . . . . Roseville, Ohio
A.B., Ohio Wesleyan University
Holmes, Merrill Jacob. . . . . Indianola, Iowa
A.B., Simpson College
Jones, Alva Putnam. . . . . Chattanooga, Tenn.
B.Ped., Chattanooga University
Jones, Oscar Francis. . . . . Mason City
B.S., Illinois Wesleyan University
Kendall, Willmoore. . . . . Ardmore, Okla.
Kirkpatrick, Blaine Evron. . . . . Raub, Ind.
A.B., Northwestern University

Kiser, Stephen Lott.....Sedgwick, Kans.
A.B., Baker University
Law, Charles Homer.....Salesville, Ohio
A.B., Ohio Wesleyan University
Lease, William Henry.....Plover, Iowa
A.B., Morningside College
Long, John Fletcher.....Tacoma, Wash.
A.B., University of Puget Sound
Mangun, Glenn Elbert.....Greencastle, Ind.
A.B., DePauw University
Mauller, Charles Theodore.....Des Moines, Iowa
A.B., Cornell College
Morgan, William Thompson.....Elkhart, Ind.
A.B., University of Indiana
Morrow, Harry Earl.....Cedar Falls, Iowa
B.S., Iowa State College
Norman, John August.....Chicago
Putnam, Charles Henry.....Bedford, Iowa
A.B., Cornell College
Singleton, James Herbert.....Buckley
B.S., Northwestern University
Stuntz, William Oliver.....Pacific Grove, Cal.
A.B., Leland Stanford University
Wallace, Charles Marion.....Crete
A.B., Ohio Welseyan University
Walker, John Daniel.....Chicago
A.B., University of Nebraska
Wilkinson, James Ernest.....Rapid City, Man., Can.
Ph.B., Hamline University

FIRST YEAR

Alexander, Benjamin A.....Beatrice, Nebr.
Blakely, Frank Ross.....Harlan, Iowa
A.B., Western Union College
Cissna, William Everett.....Dolton Station
B.L., Moores Hill College
Caylor, Samuel Henry.....Lyons, Inds
A.B., DePauw University
Coe, Lauren Mortimer.....Sterling
B.S., Cornell College
Dildine, Harry Glenn.....Ionia, Mich.
B.A., Northwestern University
Dong, Suk Kee.....Puk Ching, Korea
Fouts, Walter A.....Chili, Ind.
A.B., DePauw University
Glaeser, Walter.....Quincy
Glotfelty, Philip Rutherford.....Farina
A.B., McKendree College
Halter, Albert Arthur.....DeSoto, Mo.
Hartman, Emery Abram.....Soldier, Kan.
A.B., Northwestern University
Hartzler, Coleman Clark.....Dawn, Mo.
A.B., Missouri Wesleyan College
Hickman, Eugene Christian.....Bath, So. Dak.
A.B., Hamline University

Horning, Orlando.....Mitchell, So. Dak.
A.B., Dakota Wesleyan University
Hubbartt, George Forrest.....Sheridan, Ind.
A.B., DePauw University
Imboden, Edward Ponting.....Decatur
A.B., Nebraska Wesleyan University
Klaus, Armin Vincent.....Charles City, Iowa
A.B., Charles City College
Lauer, Ernest.....Humphrey, Nebr.
A.B., Iowa Wesleyan University
Leonard, Chauncy Wood.....Savanna
McClure, Charles Sherman.....South Whitley, Ind.
A.B., Northwestern University
Nimz, Alfred Bernard.....Manitowoc, Wisl
A.B., German Wallace College
Otwell, Thomas Herbert.....Haleyville, Ala.
A.B., Ohio Wesleyan University
Provan, Frederick Lyman.....Franklin, Maine
Richards, Harry Johnson.....Paonia, Colo.
A.B., Morningside College
Roberts, Percy Vivian.....Bangalore, India
Ronshausen, August Arthur.....Chicago
A.B., German Wallace College
Stahl, E. Wayne.....Indianola, Iowa
A.B., Simpson College
Sweetland, Leon Hiram.....Doe Run, Mo.
Thompson, Loyal Morris.....Payson
B.S., Illinois Wesleyan University
Watson, Louis.....New Market, Iowa
A.B., Simpson College
Warrick, Cleve Leland.....Barnesville, Ohio
A.B., Scio College
Wilson, Omar Janell.....Cameron, Mo.
A.B., Missouri Wesleyan College

CANDIDATES FOR DIPLOMA

THIRD YEAR

Blewfield, Floyd Leslie.....Rockford
Fanebust, Nels.....Castlewood, So. Dak.
Hall, George Robert.....East St. Louis
Hartshorn, Albert Walker.....Weiser, Idaho
Hurtt, William LeRoy.....Paynesville, Ohio
Larson, Einar.....Maywood
Lawton, Olive Hardy.....Seoul, Korea
McCoy, Raymond Charles.....Evanston
McDonald, George Washington.....Mediapolis, Iowa
Minkler, Roy Glenn.....Ocheyedan, Iowa
Ph.B., Morningside College
Nelson, Arnold.....San Francisco, Calif.
Orth, Lafa yette Lorenzo.....Fort Recovery, Ohio
Ph.B., Northwestern College

Parker, Harry Grant.....Glenwood, Iowa
Parker, Thomas LeRoy.....Winfield, Kan.
Perry, John William.....Franksville, Wis.
Putnam, Irving Ellsworth.....Bedford, Iowa
A.B., Cornell College
Rich, Guy Cephas.....Cedar Rapids, Iowa
Root, Herbert Jackson.....New London, Conn.
Sandmeyer, Edwin Gustave.....Quincy
Schafer, Arthur George.....South Bend, Ind.
Schuerman, William Jacob.....Emporia, Kan.
Stephenson, Emma.....Orion, Mich.
Stephenson, Robert.....Orion, Mich.
Stewart, John Forrest.....Marietta, Ohio
Tremaine, Myron David.....Evanston
Wallace, Samuel W.....Spokane, Wash.
Wetzel, Reuben Meyer.....Jamesport, Mo.

SECOND YEAR

Adair, Joseph Peregoy.....Byersville, Ohio
Austin, John.....Edgerton, Alberta, Can.
Blackstock, William Ernest.....Rutland, Iowa
Briggs, Frank Roy.....Winslow
Briggs, Walter Merrill.....Winslow
Bringedahl, Joachim Gerhard.....Seattle, Wash.
Bryans, Alexander.....Solomon, Kan.
Clements, Emmett Eckert.....New Hartford, Iowa
Church, Fred William.....Wellsville, N. Y.
Corrie, Carl Milford.....Monon, Colo.
Dussair, John Carl.....Quincy
Hanada, Toich Esoji.....Japan
Hartley, Helen Rosetti.....Potsdam, N. Y.
Hoon, Theodore Ernest.....Beaucoup
James. Y. Lazar.....Kurdistan, Turkey
Laird, Edwin James.....Evanston
B.Ped., Kansas Wesleyan University
McKay, James Fenton.....Gravity, Iowa
Pedersen, Peder W.....Marinette, Wis.
Peterson, Halbert Stephen.....Lafayette, Ind.
Purple, LeRoy E.....Remington, Ind.
Rankin, Julian Jerome.....Wanatah, Ind.
A.B., Central Normal College
Shenefelt, Orville Porter.....Eureka, Mont.
Smoot, Harry Wilbur.....Bone Gap
Swisher, Ele D.....Wellington
A.B., University of Illinois
Wolcott, John Drake.....Vincent, Iowa

FIRST YEAR

Bakken, Bernt Olav.....Evanston
Berendt, Joseph.....Ashland, Wis.
Berggreen, Andrew.....Brooklyn, N. Y.
Baumann, Christian Wilhelm.....Kathryn, No. Dak.
Bicksler, Harry Edward.....Lancaster, Penn.
Blanning, Ralph Franklin.....Williamstown, Penn.

Camp, Alice Hubbard.....Evanston
Cooper, Clark William.....Toronto, Ohio
Damm, Jacob.....Ayton, Ont.
David, Rahana Havqueu.....Pagy, Turkey
Dinsdale, Arthur.....England
Fosdal, Sigbjorn.....Stoughton, Wis.
Gayles, Benjamin Perry Enoch.....Evanston
A.B., Roger Williams University
Gott, Thaddeus R.....Wheeler, Ind.
Helikson, Daniel.....Franklin Mine, Mich.
Hill, William Hiram.....Spooner, Minn.
H ueston, Thomas.....Chicago
Jacobs, Peter.....Silver City, Iowa
Johnson, Henry.....Milwaukee, Wis.
Jones, LeRoy Ancle.....Heppner, Ore.
McBride, Charles Frederick.....Antrim, Ohio
McCracken, Allison.....Chicago
Miller, Herbert Franklin.....Kilgore, Ohio
Nagai, Sadamene.....Nagasaki, Japan
Quigley, Charles Alexander.....Menominee, Mich.
Robinson, Maude Zee.....Gilbert Station, Iowa
Shaw, Thomas Gelstone.....Detroit, Mich.
Shuman, Willard Abraham.....Bloomsburg, Penn.
Spalding, Coit Earl.....Yates Center, Kan.
Sparks, Jeremy Nathan.....Indianola, Iowa
Stewart, James William.....Bismarck
Townley, Hubert Claude.....London, Eng.
Waggoner, Gordon.....West Liberty
Welch, George Wesley.....Coleta
Wright, Quincy Roscoe.....Hannibal, Mo.

SPECIAL STUDENTS

Bach, Harald D.....Boston, Mass.
Blackstock, Edith Mabel.....Rutland, Iowa
Camp, Cecil LeRoy.....Espanola, Wash
Chesnutt, Jay LeRoy.....Chicago
Dorris, Daisye H.....Harrisburg
Dresch, Katharine.....Rawson, Ohio
Evenson, Edward.....Chicago
Fanebust, Mary Louise.....Castlewood, So. Dak.
Gerhardt, Carl L.....Kenosha, Wis.
Goodenow, Harold Elijah.....Detroit, Mich.
Holman, Irving Buckingham.....Geneva, Minn.
Ph.B., Midland University
Johnson, Iver Magni.....Racine, Wis.
Johnston, Floyd W.....Wheeler, Ind.
Kvisgaard, Olav.....Duluth, Minn.
Milholland, Paul.....Chicago
Morse, Emogene.....Seeley Creek, N. Y.
Nelson, Cora Bessett.....San Francisco, Calif.
Nordos, William R.....Kalispell, Mont.
Odegaard, Andrew.....Portland, Ore.
Ofstie, Paul Wesley.....Baldwin, Wis.
Smith, Jens.....Green Bay, Wis.

Sprouse, Claude Willard.....Capron
Swanson, John August.....Evanston
Toll, Evalyn.....Hamilton, Ont.

Swedish Theological Seminary

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Ivar Pearson.....Kansas City, Mo.
Carl Westerdahl.....Newport, R. I.

REGISTER OF STUDENTS 1910-1911

FOURTH YEAR

Erickson, Carl J.....Waukegan
Holmes, Carl A.....Galesburg
Johnson, Otto.....Wausau, Wis.
Liljevall, Carl A. R.....Newport, R. I.
Livingstone, Theodore.....Escanaba, Mich.

THIRD YEAR

Carlson, John.....Falconer, N. Y.
Chellgran, William.....Racine, Wis.
Johnson, Oscar.....Stillwater, Minn.
Malmquist, Gustave.....Pasadena, Calif.
Olson, Gordon.....Chicago
Sundstrom, Newton.....McKeesport, Penn.
Wilson, Algot.....Los Angeles, Calif.

SECOND YEAR

Annlund, Francis.....Chicago
Jensen, Carl J.....Highwood
Olson, Oscar V.....West Pullman
Pearson, Ivar.....Kansas City, Mo.
Swedberg, Andrew.....Des Moines, Iowa
Westerdahl, Carl G.....Newport, R. I.

FIRST YEAR

Cederholm, Perry.....Brooklyn, N. Y.
Howe, Bennie.....Racine, Wis.
Jensen, Jens.....Highwood
Lind, Clarence.....Swede Plains, Nebr.
Nelson, William.....St. Charles
Samuelson, Albert.....Swede Plains, Nebr.

Norwegian-Danish Theological Seminary

LIST OF STUDENTS OF THE ACADEMIC YEAR 1909-1910 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Gottfred, Nelson.....Brooklyn, N. Y.

REGISTER OF STUDENTS 1910-1911

Bach, Harald Olav.....Boston, Mass.
Bakken, Olav.....Evanston
Berggreen, Andrew.....Brooklyn, N. Y.
Bjerklie, Peter.....Christiania, Norway
Bringedahl, Joachim Gerhard.....Seattle, Wash.
Evensen, Edward.....Chicago
Fosdal, Sigbjorn.....Stoughton, Wis.
Gerhardt, Carl.....Kenosha, Wis.
Green, Andrew.....Bergen, Norway
Helikson, Daniel.....Franklin Mine, Mich.
Jorgensen, William.....Brooklyn, N. Y.
Kvisgaard, Olav.....Duluth, Minn.
Nelson, Eugene.....Stanley, Wis.
Nordos, William.....Kalispell, Mont.
Odegaard, Andrew.....Portland, Oregon
Olsen, Torjus.....Highwood
Ofstie, Paul Wesley.....Spring Valley, Wis.
Smith, Jens.....Green Bay, Wis.

Degrees Conferred, 1909-1910

Honorary Degrees

Francis Asbury Wood.....Doctor of Letters (L.H.D.)
Of the class of 1880

James Elliott Harlan.....Doctor of Laws
President of Cornell College

Herbert Welch.....Doctor of Laws
President of Ohio Wesleyan University

Degrees in Course

Jennie Matilda Anderson.....Master of Arts
Thesis: The financiers and finances of the Revolution in the West

John Herbert Bachmann.....Master of Arts
Thesis: Die deutschen Musenalmanache des 18. Jahrhunderts

Ruth Baker.....Master of Arts
Thesis: The technique of Marie von Ebner-Eschenbach's short stories

Agnes Elisabeth Becker.....Master of Arts
Thesis: The Indians as a factor in the American Revolution

Roscoe William Brink.....Master of Arts
Thesis: Studies in the relationship between Merlin and Angus Mac Og

Justus Henry Cline.....Master of Arts
Thesis: The geology of the Fauquier-Culpeper slate district, Virginia

Douglas Gordon Crawford.....Master of Arts
Thesis: Red as a sign of the marvellous warrior and castle in Arthurian romance

Walter Wesley Gethmann.....Master of Arts
Thesis: The development of the idea of religious morality in Hebrew prophecy

Cora Guthier.....Master of Arts
Thesis: On double points of implicit functions of two variables

Raymond Royce Hitchcock.....Master of Arts
Thesis: Mersenne's numbers and the reciprocal of Fermat's theorem

Clara Mabel Hogue.....Master of Arts
Thesis: King Arthur's custom of fasting till an adventure happened. A study in Celtic and medieval romance

Lloyd Clinton Holsinger.....Master of Arts
Thesis: The treatment of differential equations from the vector standpoint

James Sherman King.....Master of Arts
Thesis: The courtly element in the Nibelungenlied

Clyde Orlando Marietta.....Master of Arts
Thesis: The real branches of an implicit function in the neighborhood of a triple point

Thomas Arch O'Farrell.....Master of Arts
Thesis: Personal suggestibility

Leslie Hall Redelings.....Master of Science
Thesis: Observations on the development of the cortex in mammals

May Wood Simons.....Master of Arts
Thesis: History of economic thought in relation to industrial conditions in the United States, 1814-1837

Olla Stevenson.....Master of Arts
Thesis: Der Einfluss des Wunderhorns auf Uhland

Frederick Stolz.....Master of Arts
Thesis: The influence of Moses on the religious life and thought of the Hebrews

Lowell Leslie Townsend.....Master of Arts
Thesis: A comparative study of the marvellous sword in Northern and Arthurian legend

George Henry Von Tungeln.....Master of Arts
Thesis: The relations of morality to religion

Esther Lucy White.....Master of Arts
Thesis: On the development of the bones of the wing and foot in the chick

BACHELOR OF ARTS

Olive Ainsworth
Edith Evangeline Alford
Mills Mallalieu Anderson
Jessie Ada Baker
Mabel Elise Barrows
Lucia Jane Beebe
Marie Belle Benton
William Fletcher Blades
Leland Peter Broehl
Baker Brownell
Georgiana Bunton
Faith Chamberlain
Alma Elizabeth Crawford
Stanley Arthur Curtis
Milton Edwin Dammarell
Perdita Irene Dewey
Mervyna Barbara Dolsen
Benjamin Blakeman Early
Emil Sebo Ehmen
Earl Wesley Evans
Edith Foster
Mabel Frances Gardiner
Julia Gethmann
Emma Clodfelder Hall
Margaret Hamilton
Edwin Frederick Hirsch
Hazel Beatrice Horner
Mary Hull
Alice Margaret Jenks
Myrtle E. Jensen
Mildred Burritt Jones
Alice Thora Kierland
Bessie Luella Kirkpatrick
Blaine Kirkpatrick
Rose Kollman
Helen Lambert
Burdette Landsdowne
Lola Claire Laughlin
Grace Cook Logan
M. Virginia McQueen
Jennie Elizabeth MacWilliams
Clarence Stephen Marsh
Mabel Marsh
Glenn Newton Merry
Marion Lela Norris
Carry Mae Nusbaum
Halley Anna Pease
Hortense Evelyn Pennington
Myrtle Zoa Pider
Helen Pierce
Edwina Lydia Pope
Margaret Wilmot Price
Mary Louise Prindle
Katherine Josephine Reinhard
Benjamin Franklin Rostock
Florence Schryver
Chester Arthur Schafer
Vera Sjöström
Lois Edna Slaughter
Faye Elizabeth Smith
Keith Kuenzi Smith
Lewis Addington Smith
Sarah Shirley Smith
John Sorenson
William Anson Spencer
Bertha Hartwell Stewart
Matilda Stoekle
Helen Child Taggart
Albert Edward Tink
Samantha Inez Traxler
Mary Tucker
Frank DeWitt Wallis
Anna Irene Walther
Ira Edward Westbrook
Esther Catherine Wheeler
Helen Lenore Wheeler
Harry Hunter Wilkerson
Claudine Margaret Wilkinson
Arthur Williams
William Gallaway Wood
Oscar Harry Woods

BACHELOR OF SCIENCE

Mariel Julia Aberle
Verne Adelbert Beecher
Walter Franklin Bleifuss
Alvin Percy Bradley
Ray William Bruce
Jessie Campbell
Ruth Grace Carter
Jean Forrest Chandler
Laura Ethel Christman
Nellie Edith Clay
Josephine Cooper
Amy Cowley
Mabel Hall Dalbey
Pierre Lionel Dorner
Anna Duncan
Milton Walker Eddy
Edna Williams Estell
Melissa Elmore Foster

Cornelius Gouwens
Paul Nuzum Grubb
Helen McQueen Hardie
Hubert Edmund Heren
Emma Berdette Hopkins
Horace Lee Howard
Peter Thomas Hummelgaard
Roy Charles Jacobson
Thomas Robert Johnston
Fenner Emory King
Ella Wilhelmina Kracke
Ernest Heber Langdon
Martha Lapham
Pauline Grace Levitin
Vernon Eddy Lewis
Ray Fairman L'Hote
Fanny Rebecca Long
Henry Parker Lowell
Edward McWilliams 2nd
Elsie Elyzabeth Mauritzon
John Wesley Merritt
Walter Herman Nadler
Julia Ellen Norton
Frank Thomas Nye
Stella Frances Perkins
Eleanor Gertrude Pooley
Charles Augustine Pope
Elizabeth Porter
Frances Rebecca Richards
Lois William Richards
Elizabeth Secor
Frank Earl Smith
Herbert Urban Smith
Howard Edward Smith
Harry Hutchinson Spearman
Louise Augusta Stolp
George Hamilton Swift
Frances Mary Wathier
Henry Dwight Williams
Cyrus Boynton Wood

DOCTOR OF MEDICINE

Assad Simon Abdun Nur
LeRoy Elbert Angel
George Leonard Apfelbach
Edward Kent Armstrong
Hugh Pierce Barton
Guy Edward Beard
Corna L. Bennett
Louis Blumenkranz
George William Brock
Walter Teed Bronson
Henry Clay Bryant
John James Burke
Robert Ira Bussard
Harry Cryndlon Buster
Claude Melville Campbell
Edwin Frank Chamberlain
Carl Clayton Chatterton
Casa Collier
Chester Arthur Conyers
Wilbur Edwin Coulter
Earl Elliott Cress
Milo Herman Culbert
Frank Noble Davenport
Frank Wilhelm Deason
Jose Velasquez De Leon, Jr.
Dana Byron Dishmaker
William Edward Donahue
Thomas Henry Donlon
Thomas James Dorsey
Ezekiel Ricker Dumke
Oscar Frederick Eastman
Benjamin Edelstein Elliott
Walter Rollo Emmett
Waldo Clay Farnham
Edward Clifton Ferguson
Thomas Francis Finegan, Jr.
Milford Garbutt Flath
Jess Walter Foster
Charles Frazier
Arthur Varney Garlock
Frederick William Gessner
Nasri Ghabriel
Leo Albert Goodman
Doone Francks Gosin
Abraham Chester Green
Ira Edward Greenburg
James Townsend Gregory
John Carroll Hall, Jr.
Paul Richard Hankee
Harry Hamilton Hanly
George Hartnagel
Louis Eugene Hartrick
Christian David Hauch
Clarence Arthur Hefty
Herman Hendrickson
Charles William Henney
George Herbert Henry
Stanley Vincent Hodge
Louis George Hoffman
Henry Hofmann
Ralph Carlton Holgate
William Henry Holmes
Knut David Holmgren
Clarence Cowles Hopkirk

John Hull Hostetter
Joseph Emil Huber
Edward Benjamin Jacobs
Frank Joseph Jirka
Cecil Emerson Johnson
Charles Nelson Johnson
James Andres Johnson
Leslie Burrutt Joslyn
Leo Antony Juhnke
Reinhold Kanzler
Albert Chester Keener
Arthur John Knauf
William Henry Lake
Jesse Samuel Lancaster
Paul James Leahy
William Carroll Lindsay
Wishard Speer Lormier
John Langland Lundby
William Bernard McCauley
James Joseph McKinley
Joseph Peter McManus
Karl Raymond Malotte
George Lyman Marshall
Thomas T. Matlock
Walter Alfred Matthey
Carl Wesley Maynard
Walter Louis Migely
Samuel T. Miller
George Sheppard Moore
Homer Frank Moore
Edwin Clyde Morgan
William Atwood Mowry
Joseph Anton Mudroch
Louis M. Myres
Frank Naegeli
Axel Sverre Nelson
John Ernest Nelson
Milton Arthur Nix
Christopher Sager O'Neill
Eliphalet Thierar Patee
Adam George Pfeiler, Jr.
Henry John Plenz
William Albert Plummer
Clarence Gilbert Pool
Lawrence Jacob Quillin
Warren Robert Rainey
William Henry Redmond
Olaf Refsdahl
John Emmett Rheim
Earle Francis Ristine
Edward Newman Roberts
James Henry Robinson
Jacob Rodge
William Augustus Seymour
Henry Julius Shelver
Karl Avery Snyder
James Lyons Sparling
Clyde Ernest Stackhouse
Leslie John Stauffer
Lester Alanson Stevenson
Herbert Willis Strass
Walter Anthony Stuhr
Frank Enos Tinker
Adolph Dahl Tollefsen
Clarence Alfred Trainor
Emery Trekell
Charles Garnet Trimble
John Linton Joseph Vallely
James St. Clair Vance
Alfred Lubbert Van Dellen
Josiah Claire Violet
Harvey Porter Volin
Wenzel Joseph Wanninger
Newton Edward Wayson
Arthur Leo Weber
Alfred Carl Wendt
William Thomas Whiting, Jr.
Will Young

BACHELOR OF LAWS

Thomas Edward Adams
Alfred Brian Adamson
Max Fenimore Allaben
Charles Thomas Allen
Edmund Marshall Amberg
Leonard Earl Anderson
Hart Edward Baker
Eugene Julius Bamberger
Roscoe Wendell Beers
Joseph Vincent Bird
Verne G. Cawley
Clarence Martin DeLany
Albert Joseph Engel
William Feldman
Lucius Newton Foster
Edward Theodore Heineman
John Henry Jahnke
George Cornelius Johnson
Harry McClure Johnson
Carl Francis Jordan
Herbert Charles Krause
Jacob Paul Kuhn
Frank Julian Landee
Samuel Levin
Mont Griffith Lockart
William Henry Long

Vernon Reece Loucks
Harris Carman Lutkin
Charles Chester Martin
Arba Bryan Marvin
August Marx, Jr.
Sidney Charles Murray
John Ward Myers
Dayton Ogden
Ernest Palmer
Ben Payne
George Elmendorf Phillips
Leonard Hacker Philp
Charles Dean Purcell
Theodore Edwards Rein
Ralph Roscoe Roberts
Joseph Rosenberg
Roscoe Earl Satterlee
Frederick Conrad Gottlieb Schmidt
Ben Simon
Rollo Six
Edward Leslie Spaulding
Edgar Verne Stanley
Benjamin Alter Stewart
Oscar David Stern
Charles Alonzo Treadwell
Richard Stanley Tuthill Jr.
Elzo Lubbert Van Dellen
Thomas Goodman Vent
Nathan Ruthven Wakefield, Jr.
Charles John Wendland
Robert Campbell Wheeler
John Taylor Whitehead
Thomas Merrick Whitson
Earl Brown Wilkinson
Walter Bertram Wolf
William Wilford Wynkoop
Aubrey Leon Yantis

GRADUATE IN PHARMACY

DEGREES CONFERRED IN APRIL, 1910

Elmer Reed Abbott
Walter Emil Ammermann
Earl Barnette
Harley Leroy Bellamy
George Dwight Butler
William Larrabee Carr
Walter Jo Carrick
James Francis Cunningham
Edward Devlin
Carl Fred Ekstam
Joseph Daniel Ernst
Cyril Clinton Folkrod
Mott Foresman
Joseph Peter Graf
D. Gratton Harden
Herbert Wilson Harris
Johnie Michael Heinen
James Shephard Honeyman
Earl Carlton Hughes
Herbert Austin Isham
Harry Frank Isted
Raphael Jacobson
Edwin Lawrence Kadlec
Jay Kaplan
Frank Martin Keeley
Joseph Martin Knochel
Walter Anthony Krafft
Michael Anthony Lapjansky
Harry Martin Lappley
Chris Wilbur Lee
John Joseph Levitt
Armin Stoy Lindemann
Frank Edwin McKamy
Charles David McKelvey
Edward Miller
Earl Orin Morrison
William John Mueller
Olof Howard Ohlson
James Patrick O'Rourke
Robert James Orr
Joseph Dwight Pickard
Fred Albert Quilling
Martin Arthur Roth
Longin Tabenski
Herman Eugene Wagener
Clarence Porter Witter
Arthur Philip Zimmer

DEGREES CONFERRED IN JUNE, 1910

Irvin Jacob Heckman
Harlow Clay Holabird
Wilbur Lloyd Kingsley
Emil Ernest Lehmann
John Alphonso Moran
Carson Hosmer Porter
Thaddeus Cornelius Stiles
Robert Jackson Stubbs
Harry George Walter
Benjamin Greeley Warner
Walter Heli Wyszynski
Emil W. Youngren

PHARMACEUTICAL CHEMIST

Walter Emil Ammermann
Edward Devlin
William Larrabee Carr
Herbert Wilson Harris
Raphael Jacobson
Jay Kaplan
Joseph Martin Knochel
Chris Wilbur Lee
Charles David McKelvey
Earl Orin Morrison
Lewis Etienne O'Brien
James Patrick O'Rourke
Robert James Orr
Joseph Dwight Pickard
Adelbert Willis Russell
Charles Darwin Shaver
Arthur Angel Sprague
George Ray Winkley

DOCTOR OF DENTAL SURGERY

David Hjalmar August
Arthur Edwin Baker
George Anthony Bantle
Ira Baughman
Ralph William Becker
Ernest August Beerman
Hyrum Bergstrom
George Walter Berndt
Charles Neil Black
J. D. Blackwell
James Kennedy Brimacombe
Banjamin Lyman Brown
Clifford Wahl Burkett
Reuben Julian Buss
Ford Leon Byers
Guy Campbell
Knute Paul Carson
Charles Hull Cartwright
George Burgeon Covert
Edgar Harper Crawford
Thomas James Crew
Epaminondas Dandelles
Thomas Jefferson Denney
William Lemmon Denton
George Hugo Dolby
Gustave Thomas Donovan
George Almond Downs
Marion Harvey Dugger
Philip Anthony Eckman
Harry Russell Farwell
Aldrich Fielding
Ashley Martin Firkins
Thomas Joseph Foley
Fred Lyman Forester
Marshall Edison Gates
Elsa Juliane Gerhold
Barney McCullough Gibson
Theodore Otto Goeres
William Allen Goode
Denzie Govett
Clarence Zina Graf
Roy S. Halderman
Lloyd Martin Hanson
Raymond Otto Heine
Charles Ulysses Hillweg
Edward Olaf Holm
Henry Claude Holmes
Walter Robert Host
Frank Burton Hudson
Albert Edward Joerin
Harry Whiteside Kelly
Will Eugene Kimbell
Sidney Barclay Knox
Walter Henry Kost
Frank Anderson Leonard
Roy Kay Lillie
William John Link
Lyman Augustus McBride
Christopher John Madill
George Herman Manosevitch
Henry Nankervis
Charles Brown Over
Eugene Irwin Payne
Lawrence Loraine Potts
Joseph Blaine Roe
Thomas Joseph Rowley
George Ellis Sandoz
Hjalmar Sederholm
Samuel Christian Shipstead
Carlton R. Smith
William H. Smith
Lyle Sargent Spencer
Dee Damond Stockman
Robert Lee Summers
John Thomas Symonds
Henry Robert Taecker
Robert Aldridge Thorley
Irl Jay Thornton
Roland Hill Todd
Carlos C. Valenzuela
Jacob Weinstein
Carl Ellsworth Wilbur

Fielding M. Wilhite
Elizabeth Ray Wilson
Walter LeRoy Wilson
Frank Ray Woods
John Edgar Wright

GRADUATE IN MUSIC

Irene Nevada Carroll
Mary Lucile Corwin
Edith Cox
Janet Maureen Hanna
Jessie Holcomb
Mary Edna MacDonald
Adalaine Elizabeth Merrill
Mary Eleanor Mulfinger
Leita Murdock
Lyman Pierce Prior
Esther Ward

DIPLOMA FOR MUSICAL PROFICIENCY

Arthur Ray Slack

GRADUATE NURSE, MERCY HOSPITAL

Mary B. Anderson
Evelyn Annette Armstrong
Stella Aurora Bayne
Mary Frances Bowman
Anna Driscoll Burns
Teresa Mary Cotter
Anna Catherine Fitzgerald
Helen Fitzgerald
Katherin Lenora Fitzgerald
Margaret Genevieve Fitzgerald
Teresa Mary Folk
Lillian S. Franke
Diana S. Friedelle
Ellen Cecelia Gallagher
Frances Mary Kehoe
Ada Kimberlin
Emma L. Kripner
Matilda Elizabeth Kuehna
Margaret Mary McKenna
Helen Elizabeth McNamee
Mary Ellen O'Neill
Frances M. Poole
Harriet R. Rivet
Vivant Mary Stewart
Anna Elizabeth Tighe
Frances M. Todd
Loretta M. Wren
Harriet A. Zipf

GRADUATE NURSE, WESLEY HOSPITAL

E. Augusta Baker
Mabelle Clara Barton
Manetta Rebecca Bell
Edna Mary Brand
Elizabeth V. Condell
Laura E. Crawford
Grace Deach
Ethel Ennis
Edna Allison Ferguson
J. Anna Carpenter Hall
Virginia Blanche Killingsworth
Ada Belle McCleery
Blanche Alice Meyers
Vera Howard Murray
Irma Estel Neff
Olivia Anna Theresa Peterson
Rozella Ethel Rest
Nellie Louise Wilder
Frances Regina Wilson
Elizabeth Wolfe
Helena Van Winkle
Matilda Louise Zilch

Summary

Officers and Faculty

Trustees		44
Officers of Administration		25
Faculty		388
College of Liberal Arts	82	
Medical School	149	
Law School	19	
College of Engineering	15	
School of Pharmacy	19	
Dental School	35	
School of Music	29	
School of Commerce	14	
School of Oratory	9	
Theological Schools	17	
Total		457
Total, exclusive of duplicates		430

Degrees Conferred, 1909

Honorary Degrees, Total		3
Doctor of Laws	2	
Doctor of Literature L. H. D	1	
Degrees in Course, Total		532
Master of Arts	21	
Master of Science	1	
Bachelor of Arts	82	
Bachelor of Science	57	
Doctor of Medicine	142	
Bachelor of Laws	63	
Pharmaceutical Chemist	18	
Graduate in Pharmacy	59	
Doctor of Dental Surgery	89	
Diplomas Awarded, Total		62
Graduate in Music	11	
Diploma in Music	1	
Graduate Nurse	50	
Total		597
Total, exclusive of duplicates		584

Register of Students, 1909-1910

College of Liberal Arts			996
Graduate students		85	
Undergraduate students		885	
Extension courses		26	
Medical School			637
Law School			345
College of Engineering			59
School of Pharmacy			217
Dental School			360
School of Music			393
School of Commerce			362
School of Oratory			240
Summer Schools and Special Students not counted elsewhere			40
Theological Schools			202
Total, in Schools of the University, exclusive of duplicates			3734

Register of Students, 1910-1911

College of Liberal Arts			1209
Graduate Students		91	
Fellows	9		
Resident Graduate Students	78		
Non-Resident Graduate Students	4		
Undergraduate Students		1118	
Fourth Year	146		
Third Year	125		
Second Year	269		
First Year	375		
Special Students	41		
Unclassified	8		
Summer School Students not enumerated elsewhere	29		
Extension Courses	125		
Medical School			533
Fourth Year	152		
Third Year	68		

Forward		1742
Second Year	64	
First Year	65	
Unclassified Students	42	
Special Students	6	
Training School for Nurses	136	
Law School		283
Third Year	66	
Second Year	86	
First Year	87	
Course in General Practice	23	
Graduate Students	4	
Special Students	17	
College of Engineering		54
School of Pharmacy		194
Second Year	74	
First Year	95	
Special Students	25	
Dental School		384
Third Year	116	
Second Year	96	
First Year	115	
Special Students	32	
Course for Practitioners and Graduates	25	
School of Music		384
Regular Students	233	
Special Students	151	
School of Commerce		508
School of Oratory		221
Garrett Biblical Institute		182
Swedish Theological Seminary		24
Norwegian-Danish Theological Seminary		18
Total		3994
Total, in Schools of University, exclusive of duplicates		3788

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